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# MUSEUM NORMANIANUM,

OR

## A Catalogue of the Invertebrata

OF

*Incl. in 1 vol.*  
EUROPE, AND THE ARCTIC AND NORTH ATLANTIC OCEANS,

WHICH ARE CONTAINED IN THE COLLECTION OF

THE REV. CANON A. M. NORMAN, M.A., D.C.L., F.L.S.

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I.—ECHINODERMATA.

II.—PANTOPODA.

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PRINTED FOR PRIVATE DISTRIBUTION.



MORTON, PRINTER, HOUGHTON-LE-SPRING.

—  
*January, 1886.*







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THE UNIVERSITY OF CHICAGO

MUSEUM OF COMPARATIVE ZOOLOGY

of the Smithsonian Institution

AND THE UNITED STATES NATIONAL MUSEUM

OF THE UNITED STATES DEPARTMENT OF AGRICULTURE

THE BUREAU OF ENTOMOLOGY

WASHINGTON, D. C.

1917

PRINTED FOR THE GOVERNMENT

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WASHINGTON, D. C.



## PREFATORY NOTES.

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THE collections to which these Catalogues refer is confined to the Fauna of Europe, together with that of the Arctic and North Atlantic Oceans, including the Seas connected with them.

The North Atlantic Ocean is here regarded as terminating towards the South at lat.  $35^{\circ}$  N. ; or, at a line drawn from a little to the South of the Straits of Gibraltar on the Eastern, to about Cape Hatteras on the Western side. This boundary is adopted as perhaps the best to embrace the Arctic and Temperate regions, and, at the same time, to exclude the tropical animals of the Gulf of Mexico. The entire area of the Mediterranean is of course included.

These Catalogues are printed in order to make known to Curators of Museums and private Naturalists the present condition of my collection, and to invite exchange.

Opportunities of adding species, which are among my desiderata, either by exchange or purchase will, I hope, thus be afforded to me.

I shall be glad to send, in return for animals received, species either from the present or other classes of Invertebrata which may be preferred. Of course it will be understood that a Catalogue which embraces my entire collection necessarily includes a large number of forms of which there are no duplicates.

Letters should be addressed,—

BURNMOOR RECTORY,  
FENCE HOUSES,  
CO. DURHAM, ENGLAND.

1.—The Echinodermata are chiefly defective in N.E. American forms, especially the Holothuroidea. The Fauna of the Great Depths of the Atlantic is scarcely represented, while many Mediterranean and recently described Arctic species are also much wanted.

2.—I shall be especially obliged for examples of the Arctic, abyssal Atlantic, and other Pantopoda, which are absent in the present list.

*January 11th, 1886.*







# MUSEUM NORMANIANUM.

## I.—ECHINODERMATA.

### Order I.—Crinoidea.

#### Rhizocrinus.

- 1 Iofotensis, M. Sars.

#### Antedon.

- 2 Eschrichtii, M and T.  
3 dentata Say, (=Sarsii D. & K.)  
4 rosacea Linck.  
5 phalangium, J. Müll.  
5\* celtica, Barrett.

### Order II.—Ophiuroidea.

#### Ophiura.

- 6 lævis, Rond.

#### Ophioglypha.

- 7 Sarsii, Lütken.  
8 signata, Verrill.  
9 lacertosa, Linck.  
10 carnea, M. Sars.  
11 albida, Forbes.  
12 affinis, Lütken.  
13 robusta, Ayres.  
14 aurantiaca, Verrill.  
15 nodosa, Lütken.  
16 Stuwitzii, Lütken.

#### Ophiocten.

- 17 sericeum, Forbes.

#### Ophiomusium.

- 18 Lymani, Wy. Thom.

#### Ophiopholis.

- 19 aculeata, Lin.

#### Ophiactis.

- 20 Ballii, Thompson.  
21 virens, M. Sars.  
22 abyssicola, M. Sars.

#### Amphiura.

- 23 elegans, Leach.  
24 tenuispina, Ljungman.  
25 Chiajei, Forbes.  
26 Sundevalli, M. and T.  
27 filiformis, Forbes.  
28 borealis, G. O. Sars.  
29 securigera, Düb. and Kor.  
30 macilenta, Verrill.

#### Amphilepis.

- 31 norvegica, Ljungman.

#### Ophiocnida.

- 32 brachiata, Montagu.  
33 olivacea, Lyman.

#### Ophiopsila.

- 34 annulosa, M. Sars.  
35 aranea, Forbes.

#### Ophiocoma.

- 36 nigra, Abild.

#### Ophiacantha.

- 37 bidentata, Retz.  
38 millespina, Verrill.  
39 spectabilis, G. O. Sars.  
40 anomala, G. O. Sars.  
41 setosa, M. and T.  
42 abyssicola, G. O. Sars.

#### Ophiolebes.

- 43 claviger, Ljungman.

#### Ophiothrix.

- 44 fragilis, Abild.  
45 Lütkeni, Lyman.  
46 pentaphyllum, Penn.

#### Ophioscolex.

- 47 glacialis, M. and T.  
48 purpureus, Düb. and Kor.

**Ophiobursa.**

- 49 hystricis, Lyman; (an arm only.)

**Ophiomyxa.**

- 50 pentagona, Lamarck.

**Gorgonocephalus.**

- 51 Lamarckii, Lyman.  
52 eucnemis, M. and T.  
53 Agassizii, Stimpson.  
54 Lincki, D. and K.

**Astrochele.**

- 55 Lymani, Verrill.

**Asteronyx.**

- 56 Lovéni, Müll and Tr.

**Order III.—Asteroidea.****Luidia.**

- 57 ciliaris, Phil. (=Savignii, Aud.)  
58 Sarsii, Düb. and Kor.

**Ctenodiscus.**

- 59 crispatus, Retz.

**Archaster.**

- 60 Parelii, Düb. and Kor.  
61 bifrons, Wyv. Thom.  
62 tenuispinus, Dan. and Kor.  
63 americanus, Verrill.  
64 Agassizii, Verrill.  
65 Floræ, Verrill.  
66 arcticus, M. Sars.

**Porcellanaster.**

- 67 cæruleus, Wyv. Thom.

**Astropecten.**

- 68 irregularis, Linck.  
69 acicularis, Norman.  
70 andromeda, M. and T.  
71 aurantiacus, Gray.  
72 bispinosus, M. and T.  
73 pentacanthus, M. and T.  
74 platyacanthus, M. and T.  
75 subinermis, M. and T.

**Odontaster.**

- 76 hispidus, Verrill.

**Pteraster.**

- 77 militaris, O. F. Müll.  
78 pulvillus, M. Sars.

**Diploteraster.**

- 79 multipes, M. Sars.

**Asterina.**

- 80 gibbosa, Pennant.  
81 Pancerii, Gasco.

**Asteropsis.**

- 82 capreensis, Gasco.

**Chætaster.**

- 83 longipes, M. and T.

**Ophidiaster.**

- 84 ophidianus, Lamk.  
85 Lessonæ, Gasco.

**Asterias.**

- 86 rubens, Lin.  
87 violacea, O. F. Müll.  
88 hispida, Forbes.  
89 Forbesii, Desor.  
90 vulgaris, Stimpson.  
91 stellionura, Perrier.  
92 glacialis, Müller.  
93 Mülleri, M. Sars.  
94 Linckii, M. and T.  
95 gröenlandica, Steens.  
96 polaris, M. and T.

**Leptasterias.**

- 97 compta, Verrill.

**Porania.**

- 98 pulvillus, Müller.  
99 grandis, Verrill.

**Palmipes.**

- 100 membranaceus, Retz.

**Hippasteria.**

- 101 plana, Linck.

**Pentagonaster.**

- 102 granularis, O. F. Müll.  
103 hispidus, M. Sars.

**Solaster.**

- 104 papposus, Linck.  
105 furcifer, Düb. and Kor.  
106 endeca, Gmelin.

**Pedicellaster.**

- 107 typicus, M. Sars (= A. palæocrystallinus, D. and S.)

**Cribrella.**

- 108 sanguinolenta, Müll.

**Stichaster.**

- 109 roseus, O. F. Müll.  
110 albus, Stimpson (=problema Stimp.)

**Echinaster.**

- 111 sepositus, Retz.

**Order IV.—Echinoidea.****Dorocidaris.**

- 112 papillata, Leske.



**Arbacia.**

113 punctulata, Gray.

114 pustulata, Gray.

**Centrostephanus.**

115 longispinus, Pet.

**Asthenosoma.**

116 hystrix, Wy. Thom.

**Strongylocentrotus.**

117 dröbachiensis, Müll.

118 pictus, Norman.

119 lividus, Lamarck.

**Sphaerechinus.**

120 granularis, Lamarck.

**Echinus.**

121 esculentus, Lin.

122 acutus, Lamarck.

123 melo, Lamarck.

124 microstoma, Wyv. Thom.

125 elegans, Düb. and Kor.

126 gracilis, A. Agass.

127 microtuberculatus, Bl.

128 miliaris, Müll.

129 norvegicus, Düb. and Kor.

**Echinocyamus.**

130 pusillus, Müll.

**Echinanthus.**

131 rosaceus, Lin.

**Echinarachnius.**

132 parma, Lamarck.

**Mellita.**

133 testudinata, Klein.

**Pourtalesia.**

134 phiale, Wy. Thomson.

**Spatangus.**

135 purpureus, Leske.

135\* Raschi Lovén.

**Echinocardium.**

136 cordatum, Pennant.

137 flavescens, Müll.

138 mediterraneum, Forbes.

139 pennatifidum, Norman.

**Brissopsis.**

140 lyrifera, L. Agass.

**Aerope.**

141 rostrata, Wyv. Thom.

**Brissus.**

142 unicolor, Klein.

**Schizaster.**

143 canalifer, L. Agass.

144 fragilis, L. Agass.

**Moira.**

145 atropos, A. Agass.

**Order V.—Holothuroidea.****Cucumaria.**

146 cucumis, Risso.

147 syracusana, Grube.

148 tergestina, M. Sars.

149 doliolum, Pallas.

150 lactea, Forbes.

151 Montagui, Fleming.

152 frondosa, Gunner.

153 brunnea, Forbes.

154 Hyndmanni, Forbes.

155 calcigera, L. Agass.

156 minuta, Fabr.

157 elongata, Düb. and Kor.

158 Koellikeri, Semper.

**Orcula.**

159 Barthii, Troschel.

**Echinocucumis.**

160 hispida, Barratt, (=typica, M. Sars.)

**Thyonidium.**

161 hyalinum, Forbes.

162 productum, Norman.

163 commune, Forbes and Good.

164 Dübeni, Norman.

**Thyone.**

165 fusus, Müller.

166 raphanus, Düb. and Kor.

167 aurantiaca, Costa.

168 briareus, Selenka.

**Phyllophorus.**

169 urna, Grube.

170 granulatus, Grube.

**Psolus.**

171 phantapus, Strussenf.

**Lophothuria.**

172 Fabricii, Düb. and Kor.

173 squamata, Koren.

**Holothuria.**

174 tremula, Gunner.

175 intestinalis, Ascanius.

176 Polii, Del Ch.

177 impatiens, Forskal.

178 Stellati, Del Ch.

179 tubulosa, Gmel.

180 Sanctori Del. Ch.

**Stichopus.**

181 regalis, Cuv.

182 natans, M. Sars.

**Trochostoma.**

- 183 boreale, M. Sars.

**Ankyroderma.**

- 184 Jeffreysii, Dan and Kor.

**Trochoderma.**

- 185 elegans, Theel.

**Chirodota.**

- 186 lævis, Fab.

**Myriotrochus.**

- 187 Rinkii, Steens.  
188 brevis, Huxley, (=Oligotrochus  
vitreus, M. Sars.)

**Synapta.**

- 189 digitata, Montagu.  
190 inhærens, Müll.  
191 tenera, Norman.

**Leptosynapta.**

- 192 Girardii, Verrill.

**Elpidia.**

- 193 glacialis, Theel.

**Lætmogone.**

- 194 violacea, Theel.

## II.—PANTOPODA.

### (=PYCNOGONOIDEA).

**Nymphon.**

- 1 hirtum, Krøyer.  
2 hirtipes, Bell.  
3 Strömii, Krøyer.  
4 grossipes, O. Fab.  
5 robustum, Bell (=abyssorum, Norman)  
6 longitarse, Krøyer.  
7 gracile, Leach.  
8 gallicum, Hoek.  
9 brevirostre, Hodge.  
10 macronyx, G. O. Sars.

**Pallene.**

- 11 intermedia, Krøyer.  
12 emaciata, Dohrn.  
13 spectrum, Dohrn.  
14 tiberi, Dohrn.

**Neopallene.**

- 15 campanellæ, Dohrn.

**Barana.**

- 16 castelli, Dohrn.  
17 arenicola, Dohrn.

**Ammothoa.**

- 18 longipes, Hodge.  
19 echinata, Hodge, (=fibulifera, Dohrn).  
20 franciscana, Dohrn.

**Ammothoa.—(continued.)**

- 21 Langi, Dohrn.  
22 appendiculata, Dohrn.

**Tragæus.**

- 23 communis, Dohrn.

**Rhyncothorax.**

- 24 mediterraneus, Dohrn.

**Clotenla.**

- 25 conirostris, Dohrn.

**Phoxichilidium.**

- 26 femoratum, Rathke.  
27 minor, Wilson.  
28 virescens, Hodge.  
29 longicollæ, Dohrn.  
30 exiguum, Dohrn.  
31 angulatum, Dohrn.  
32 robustum, Dohrn.

**Phoxichilus.**

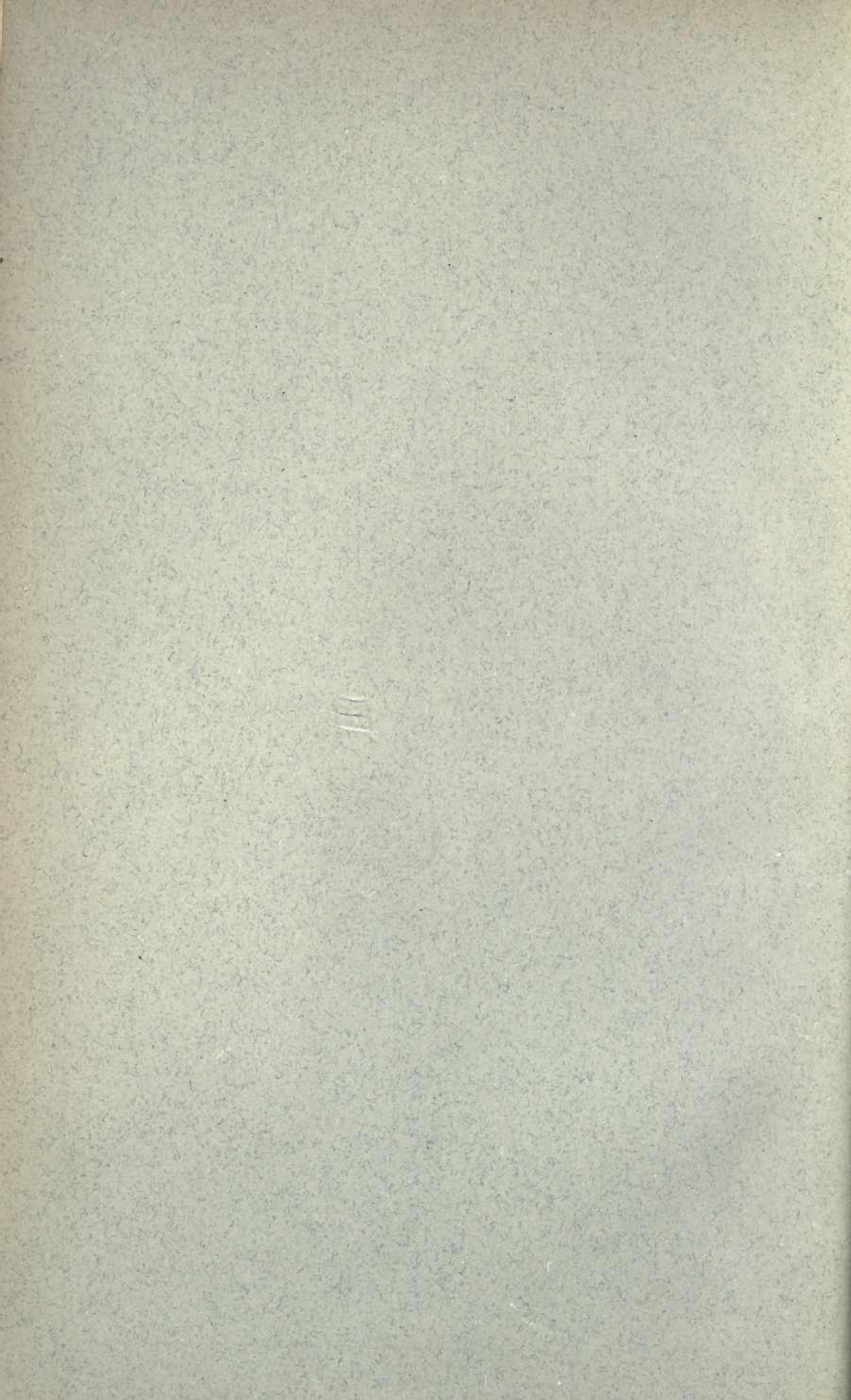
- 33 spinosus, Montagu.  
34 vulgaris, Dohrn.  
35 carybdæus, Dohrn.

**Pycnogonum.**

- 36 littorale, Ström.  
37 pusillum, Dohrn.









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## I.—ECHINODERMATA.

### (SECOND EDITION).

#### *Sub-Class I.—Crinoidea.*

##### **Rhizocrinus, M. Sars.**

- 1   lofotensis, M. Sars.

##### **Isocrinus, Von Mayer.**

- 2   decorus, Wyv. Thom.  
3   Mülleri, Oersted.  
4   Wyville-Thomsoni, Jeffreys.

##### **Antedon, Fréminville.**

- 5   Eschrichtii, M. and T.  
6   quadrata, Carp.  
7   tenella, Retz.  
    =A. Sarsii, Düb. and Kor.

- 8   rosacea, Linck.

- 9   phalangium, T. Müll.

- 10  celtica, Barrett.

#### *Sub-Class II.—Ophiuroidea.*

##### **Ophioderma, Müller and Troschel.**

- 11  longicauda, M. and T.  
    =laevis, Lyman.

##### **Ophiopleura, Danielssen.**

- 12  borealis, Dan.

##### **Ophiura, Lamarck.**

- 13  Sarsii, Lütken.  
14  signata, Verrill.  
15  lacertosa, Pennant.  
16  albida, Forbes.  
17  signata, Verrill.  
18  carnea, M. Sars.  
19  convexa, Lyman.  
20  lepida, Lyman.  
21  var. spinulosa, Verrill.  
22  confragosa, Lyman.  
23  robusta, Ayres.

##### **Ophiura, Lamarck.—continued.**

- 24  aurantiaca, Verrill.

- 25  nodoso, Lütken.

- 26  Stuwitzii, Lütken.

- 27  gracilis, G. O. Sars.

- 28  affinis, Lütken.

##### **Ophiocten, Lütken.**

- 29  sericeum, Lütken.

##### **Ophiomusium, Lyman.**

- 30  Lymani, Wyv. Thom.

- 31  armigerum, Lyman.

##### **Ophioconis, Lütken.**

- 32  Forbesii, Heller.

##### **Ophiopholis, Müller and Troschel.**

- 33  aculeata, Linné.

##### **Ophiactis, Lütken.**

- 34  Ballii, Thompson.

- 35  virens, M. Sars.

- 36  abyssicola, M. Sars.

##### **Amphiura, Forbes.**

- 37  elegans, Leach.

- 38  tenuispina, Ljungman.

- 39  filiformis, O. F. Müll.

- 40  Chiaiei, Forbes.

- 41  Sundevalli, Müll. and Tros.

- 42  macilentia, Verrill.

- 43  Otteri, Ljungman.

##### **Ophiopelta, Düb. and Kor.**

- 44  securigera, Düb. and Kor.

- 45  borealis, G. O. Sars.

##### **Amphilepis, Ljungman.**

- 46  norvegica, Ljungman.

##### **Ophiocnida, Lyman.**

- 47  brachiata, Montagu.

**Ophiocnida, Lyman.**—continued.

- 48 olivacea, Lyman.  
**Ophiopus, Ljungman.**  
 49 arcticus, Ljungman.  
**Ophiopsila, Forbes.**  
 50 aranea, Forbes.  
 51 annulosa, M. Sars.

**Ophiocoma, L. Agassiz.**

- 52 nigra, Abildgaard.

**Ophiacantha, Müll. and Trosch.**

- 53 bidentata, Retz.  
 54 setosa, Retz.  
 55 spectabilis, G. O. Sars.  
 56 abyssicola, G. O. Sars.  
 57 anomala, G. O. Sars.  
 58 millespina, Verrill.

**Ophirolebes, Lyman.**

- 59 claviger, Ljungman.

**Ophiothrix, Müll. and Trosch.**

- 60 fragilis, Abildgaard.  
 61 pentaphyllum, Pennant.  
 62 Lütkeni, Wyv. Thom.  
 63 alopecurus, Müll. and Tros.  
 64 echinata, Delle Chiaje.

**Ophioscolex, Müller and Troschel.**

- 65 glacialis, Müll. and Tros.  
 66 purpureus, Düb. and Kor.

**Ophiobyrsa, Lyman.**

- 67 hystricis, Lyman (an arm only).

**Ophiomyxa, Müller and Troschel.**

- 68 pentagona, Müll. and Tros.

**Gorgonocephalus, Leach.**

- 69 Lamarckii, Müll. and Tros.  
 70 eucnemis, Müll. and Tros.  
 71 Agassizii, Stimpson.  
 72 Linckii, Müll. and Tros.

**Astrochele, Verrill.**

- 73 Lymani, Verrill.

**Astronyx, Müller and Troschel.**

- 74 Loveni, Müll. and Tros.

*Sub-Class III.—Asteroidea.***Pontaster, Sladen.**

- 75 tenuispinus, Düb. and Kor.

**Ditaster, Sladen.**

- 76 grandis, Verrill.

**Plutonaster, Sladen.**

- 77 bifrons, Wyv. Thom.  
 78 Agassizii, Verrill.  
 79 subinermis, Philippi.

**Plutonaster, Sladen.**—continued.

- 80 Parellei, Düb. and Kor.

**Archaster, Müller and Troschel.**

- 81 americanus, Verrill.  
 82 floræ, Verrill.

**Benthopecten, Verrill.**

- 83 spinosus, Verrill.

**Odontaster, Verrill.**

- 84 hispidus, Verrill.

**Porcellanaster, Wyville Thomson.**

- 85 cæruleus, Wyv. Thom.

**Ctenodiscus, Müller and Troschel.**

- 86 crispatus, Retz.

**Leptoptychaster, Smith.**

- 87 arcticus, M. Sars.

**Astropecten, Linck.**

- 88 articulatus, Say.  
 89 aurantiacus, Linné.  
 90 bispinosus, Otto.  
 91 irregularis, Linck.  
 92 pentacanthus, Del. Chi.  
 93 platyacanthus, Phil.  
 94 Jonstoni, Delle Chiaje.  
 95 spinulosus, Phil.  
 96 acicularis, Norman.

**Psilaster, Sladen.**

- 97 andromeda, Müll. and Tros.

**Bathybiaster, Dan. and Koren.**

- 98 pallidus, Dan. and Kor.

**Luidia, Forbes.**

- 99 ciliaris, Phil.  
 100 Sarsii, Düb. and Kor.  
 101 clathrata, Say.  
 102 elegans, Perrier.

**Pentagonaster, Linck.**

- 103 granularis, Retz.  
 104 placenta, Müll. and Tros.

**Nymphaster, Sladen.**

- 105 subspinosus, Perrier.  
 = protentus, Sladen.

**Anthenia, Gray.**

- 106 nidrosiensis, Storm.

**Goniaster, Agassiz.**

- 107 phrygianus, Parelus.

**Tylaster, Dan. and Koren.**

- 108 Willei, Dan. and Kor.

**Porania, Gray.**

- 109 pulvillus, O. F. Müll.  
 110 grandis, Verrill.



- Marginaster, Perrier.**  
 111 capreensis, Gasco.  
**Rhegaster, Sladen.**  
 112 tumidus, Stuxberg.  
 113 var. tuberculatus, Dan. and Kor.  
**Poraniomorpha, Dan. and Kor.**  
 114 spinulosa, Verrill.  
**Lasiaster, Sladen.**  
 115 hispidus, M. Sars.  
**Asterina, Nardo.**  
 116 gibbosa, Pennant.  
 117 var. Pancerii, Gasco.  
**Palmipes, Linck.**  
 118 placenta, Pennant.  
**Chæstaster, Müller and Troschel.**  
 119 longipes, Retzius.  
**Hacelia, Gray.**  
 120 attenuata, Gray.  
**Ophidiaster, L. Agassiz.**  
 121 ophidianus, Lamarck.  
 122 Lessonæ, Gasco.  
**Zoroaster, Wyville Thomson.**  
 123 diomedææ, Verrill.  
**Stichaster, Müller and Troschel.**  
 124 roseus, O. F. Müll.  
 125 albulus, Stimpson.  
**Crossaster, Müller and Troschel.**  
 126 papposus, Fabricius.  
 127 affinis, Brandt.  
**Solaster, Forbes.**  
 128 endeca, Linné.  
**Lophaster, Verrill.**  
 129 furcifer, Düb. and Kor.  
**Pteraster, Müller and Troschel.**  
 130 militaris, O. F. Müll.  
 131 pulvillus, M. Sars.  
**Retaster, Perrier.**  
 132 multipes, M. Sars.  
**Hymenaster, Wyville Thomson.**  
 133 pellucidus, Wyv. Thom.  
**Cribrella, L. Agassiz.**  
 134 sanguinolenta, O. F. Müll.  
 135 var. curta, Norman.  
 136 var. abyssicola, Norman.  
**Echinaster, Müller and Troschel.**  
 137 sepositus (Lamarck), Gray.  
**Pedicellaster, M. Sars.**  
 138 typicus, M. Sars.  
**Asterias, Linné.**  
 139 rubens, Lin.

**Asterias, Linné.—continued.**

- 140 violacea, O. F. Müll.  
 141 hispida, Pennant.  
 142 vulgaris, Stimpson.  
 143 groenlandica, Steenstrup.  
 144 Tanneri, Verrill.  
 145 spetsbergensis, Dan. and Kor.  
 146 Mülleri, M. Sars.  
 147 glacialis, O. F. Müll.  
 148 Forbesii, Desor.  
 149 Linckii, Müll. and Tros.  
 150 panopla, Stuxberg.  
 151 polaris, Müll. and Tros.  
 152 compta, Stimpson.  
 153 tenuispina, Lamarck.  
 154 Tanneri, Verrill.  
**Brisinga, Asbjörnsen.**  
 155 endecacnemos, Asbj.  
 156 coronata, M. Sars.  
**Freyella, Perrier.**  
 157 elegans, Verrill.  
  
*Class IV.—Echinoidea.*  
**Dorocidaris, A. Agassiz.**  
 158 papillata, Leske.  
**Podocidaris, Desor.**  
 159 Sharreri, A. Agass.  
**Salenia, Gray.**  
 160 hastigera, A. Agass.  
 161 varispina, A. Agass.  
**Arbacia, Gray.**  
 162 pustulata, Leske.  
 163 punctulata, Lamarck.  
**Diadema, Gray.**  
 164 setosum, Gray.  
**Centrostephanus, Peters.**  
 165 longispinus, Philippi.  
**Asthenosoma, Grube.**  
 166 hystrix, A. Agass.  
**Phormosoma, Wyville Thomson.**  
 167 uranus, Wyv. Thom.  
 168 placenta, Wyv. Thom.  
**Strongylocentrotus, Brandt.**  
 169 dröbachiensis, O. F. Müll.  
 170 pictus, Norman.  
 171 lividus, Lamarck.  
 172 purpuratus, Lovén (in Stockholm Museum).  
**Sphærechinus, Desor.**  
 173 granularis, Lamarck.

**Echinus, Rondeletius.**

- 174 *esculentus*, Lin.  
 175 *gracilis*, A. Agass.  
 176 *acutus*, Lamarck.  
 177 *melo*, Lamarck.  
 178 *elegans*, Düb. and Kor.  
 179 *microstoma*, Wyv. Thom.  
 180 *miliaris*, O. F. Müll.  
 181 *norvegicus*, Düb. and Kor.  
 182 *microtuberculatus*, Blain.

**Temnechinus, Forbes.**

- 183 *maculatus*, A. Ag.

**Echinocyamus, Von Phelsum.**

- 184 *pusillus*, O. F. Müll.

**Echinanthus, Breyn.**

- 185 *reticulatus*, Lin.

**Echinarachnius, Leske.**

- 186 *parma*, Lamarck.

**Mellita, Klein.**

- 187 *testudinata*, Klein.

**Pourtalesia, A. Agassiz.**

- 188 *Jeffreysi*, Wyv. Thom.  
 189 *phiale*, Wyv. Thom.

**Spatangus, Klein.**

- 190 *purpureus*, Leske.  
 191 *Raschi*, Lovén.

**Echinocardium, Gray.**

- 192 *cordatum*, Pennant.  
 193 *flavescens*, O. F. Müll.  
 194 *pinnatifidum*, Norman.  
 195 *mediterraneum*, Forbes.

**Brissus, Klein.**

- 196 *unicolor*, Leske.

**Brissopsis, Agassiz.**

- 197 *lyrifer*, Forbes.

**Schizaster, Agassiz and Desor.**

- 198 *canalifer*, Lamarck.  
 199 *fragilis*, Düb. and Kor.

**Aerope, Wyville Thomson.**

- 200 *rostrata*, Wyv. Thom.

**Moira, A. Agassiz.**

- 201 *atropos*, Michelin.

*Class V.—Holothuroidea.***Cucumaria, Blainville.**

- 202 *cucumis*, Risso.  
 203 *syracusana*, Grube.  
 204 *tergestina*, M. Sars.

**Cucumaria, Blainville.—continued.**

- 205 *Grubei*, Marenz (spicules only).  
 206 *doliolum*, Pallas.  
 207 *Montagui*, Fleming.  
 208 *Planci*, Brandt.  
 209 *Koellikeri*, Semper.  
 210 *frondosa*, Gunner.  
 211 (junior) *fucicola*, Forbes.  
 212 *Hyndmanni*, Thompson.  
 213 *elongata*, Düb. and Kor.  
 214 *Kirchsbergii*, Heller.  
 215 *lactea*, Forbes.  
 216 var. *brunnea*, Forbes.  
 217 *minuta*, Fabricius.  
 218 *calcigera*, Stimpson.

**Echinocucumis, M. Sars.**

- 219 *hispid*, Barrett.  
 = *E. typica*, M. Sars.

**Thyone, Oken.**

- 220 *briareus*, Lesueur.  
 221 *fusus*, O. F. Müll.  
 = *floccosa*, Norman.  
 222 *raphanus*, Düb. and Kor.  
 223 *aurantiaca*, Costa.  
 224 *elegans*, Norman.

**Phyllophorus, Grube.**

- 225 *Drummondii*, W. Thompson.  
 226 var. *Dübeni*, Norman.  
 227 *pellucidus*, Fleming.  
 228 *Marionii*, Marenz (spicules only).  
 229 *productus*, Norman.  
 230 *urna*, Grube.  
 231 *granulatus*, Grube.

**Orcula, Troschel.**

- 232 *Barthii*, Troschel.

**Psolus, Oken.**

- 233 *phantapus*, Strussenfeldt.  
 234 *Fabricii*, Düb. and Kor.  
 235 *squamatus*, Düb. and Kor.

**Stichopus, Brandt.**

- 236 *regalis*, Cuvier.  
 237 *tremulus*, Gunner.

**Holothuria, Linné.**

- 238 *Forskali*, Delle Ch.  
 = *nigra*, T. E. Gray  
 = *catanensis*, Grube.  
 239 *Polii*, Delle Chi.  
 240 *Sanctori*, Delle Chi.  
 241 *Helleri*, Marenz.  
 242 *tubulosa*, Gmelin.



**Holothuria, Linné.—continued.**

243 stellati, Delle Chi.

244 impatiens, Forskal.

**Bathyplores, Oestergren.**

245 natans, M. Sars.

246 Tizardi, Théel.

**Mesothuria, Ludvig.**

247 intestinalis, Ascunius.

**Kolga, Danielssen and Koren.**

248 hyalina, Dan. and Kor.

249 nana, Théel.

**Elpidia, Théel.**

250 glacialis, Théel.

**Eupyrus, Lütken.**

251 scaber, Lütken.

**Trochostoma, Danielssen and Koren.**

252 boreale, M. Sars.

253 arcticum, Marenz.

**Ankyroderma, Danielssen and Koren.**

254 musculus, Risso.

**Trochoderma, Théel.**

255 elegans, Théel.

**Myriotrochus, Steenstrup.**

256 Rinkii, Steenstrup.

257 brevis, Huxley.

(= Oligotrochus vitreus, M. Sars.)

**Chirodota, Eschscholtz.**

258 lævis, Fabricius.

**Synapta, Eschscholtz.**

259 inhærens, O. F. Mull.

260 var. sarniensis, Herapath.

261 Buski, McIntosh = S. tenera, Norman.

262 digitata, Montagu.

263 hispida, Heller.

**Lœtmogone, Théel.**

264 violacea, Théel.

**Euphronides, Théel.**

265 cornuta, Verrill.

**Benthodytes, Théel.**

266 typica, Théel.

267 gigantea, Verrill.

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## II.—PANTOPODA

(= PYCNOGONOIDEA).

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## SECOND EDITION.

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**Pycnogonum, Brünnick.**

1 littorale, Ström.

2 crassirostre, G. O. Sars.

3 pusillum, Dohrn.

**Phoxichilus, Latreille.**

4 spinosus, Montagu.

5 vulgaris, Dohrn.

6 carybdæus, Dohrn.

**Phoxichilidium, Milne Edwards.**

7 femoratum, Rathke.

8 minor, Wilson.

9 robustum, Dohrn.

**Anoplodactylus, Wilson.**

10 petiolatus, Kröyer.

= Ph. longicolle, Dohrn.

= Pall. pygmœa, Hodge.

= Ph. exiguum, Dohrn.

11 virescens, Hodge.

**Anoplodactylus, Wilson.—continued.**

12 lentus, Wilson.

13 angulatus, Dohrn.

**Pallene, Johnston.**

14 brevisrostris, Johnston.

= spectrum, Dohrn.

= empusa, Wilson.

15 intermedia, Kröyer.

16 emaciata, Dohrn.

17 phantoma, Dohrn.

18 Tiberii, Dohrn.

**Neopallene, Dohrn.**

19 campanellæ, Dohrn.

**Pseudopallene, Wilson.**

20 circularis, Goodsir.

= Pall. intermedia and discoidea,  
Kröyer.

21 spinipes, Fabr.

**Cordylochele, G. O. Sars.**

- 22 malleolata, G. O. Sars.

**Nymphon, Fabricius.**

- 23 brevirostre, Hodge.  
 24 gracile, Leach.  
 25 rubrum, Hodge.  
 26 gallicum, Hoek.  
 27 glaciale, Lilljeborg.  
 28 grossipes, Fabr.  
 29 mixtum, Kröyer.  
 30 Stuiteri, Hoek.  
 31 longitarse, Kröyer.  
 32 leptocheles, G. O. Sars.  
 33 Strömii, Kröyer.  
     = giganteum, Goodsir.

- 34 gracilipes, Heller.  
 35 elegans, Hansen.  
 36 macrum, Wilson.  
 37 serratum, G. O. Sars.

**Chætonymphon, G. O. Sars.**

- 38 hirtum, Kröyer.  
 39 hirtipes, Bell.  
 40 spinosissimum, Norman.  
     = spinosum, Sars. (nec Goodsir).  
 41 macronyx, G. O. Sars.

**Boreonymphon, G. O. Sars.**

- 42 robustum, Bell.  
     = abyssorum, Norman.

**Tanystylum, Miers.**

- 43 orbiculare, Wilson.

**Tragæus, Dohrn.**

- 44 communis, Dohrn.

**Clotenias, Dohrn.**

- 45 conirostris, Dohrn.

**Ammothea, Leach.**

- 46 hispida, Hodge.  
 47 echinata, Hodge.  
     = fibulifera, Dohrn.

- 48 lævis, Hodge.  
 49 franciscana, Dohrn.  
 50 Langi, Dohrn.  
 51 appendiculata, Dohrn.

**Eurycyde, Schiödte.**

- 52 hispida, Kröyer.

**Barana, Dohrn.**

- 53 castelli, Dohrn.  
 54 arenicola, Dohrn.

**Rhyncothorax, Costa.**

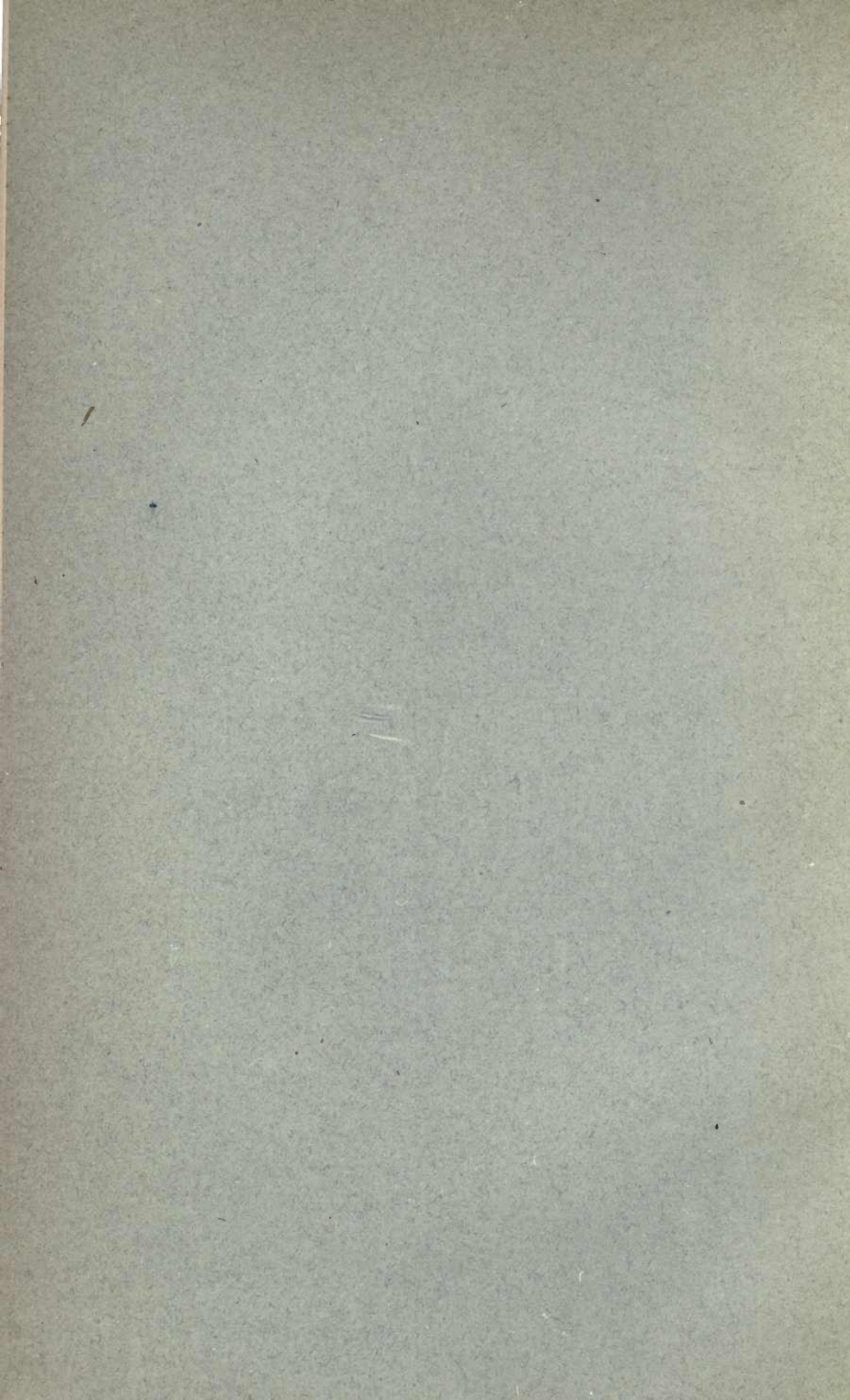
- 55 mediterraneus, Dohrn.

**Colossendeis, Jarzynsky.**

- 56 proboscidea, Sabine.  
 57 angusta, G. O. Sars.









With the Compiler's Compliments.

# MUSEUM NORMANIANUM,

OR

## A Catalogue of the Invertebrata

OF

EUROPE, AND THE ARCTIC AND NORTH ATLANTIC OCEANS,

WHICH ARE CONTAINED IN THE COLLECTION OF

THE REV. CANON A. M. NORMAN, M.A., D.C.L., F.L.S.

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### III.—CRUSTACEA.

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PRINTED FOR PRIVATE DISTRIBUTION.

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MORTON, PRINTER, HOUGHTON-LE-SPRING.

*March, 1886.*





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## PREFATORY NOTES.

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THE collections to which these Catalogues refer is confined to the Fauna of Europe, together with that of the Arctic and North Atlantic Oceans, including the Seas connected with them.

The North Atlantic Ocean is here regarded as terminating towards the South at lat.  $35^{\circ}$  N. ; or, at a line drawn from a little to the South of the Straits of Gibraltar on the Eastern, to about Cape Hatteras on the Western side. This boundary is adopted as perhaps the best to embrace the Arctic and Temperate regions, and, at the same time, to exclude the tropical animals of the Gulf of Mexico. The entire area of the Mediterranean is of course included.

These Catalogues are printed in order to make known to Curators of Museums and private Naturalists the present condition of my collection, and to invite exchange.

Opportunities of adding species, which are among my desiderata, either by exchange or purchase will, I hope, thus be afforded to me.

I shall be glad to send, in return for animals received, species either from the present or other classes of Invertebrata which may be preferred. Of course it will be understood that a Catalogue which embraces my entire collection necessarily includes a large number of forms of which there are no duplicates.

Letters should be addressed,—

BURNMOOR RECTORY,

FENCE HOUSES,

CO. DURHAM, ENGLAND.

In the following table will be found a summary of the total number of the several orders of described Crustacea which inhabit Europe and the Arctic and North Atlantic Oceans. It will be seen that their number is nearly three times as great as that of the species of the entire world known to Milne Edwards when he published his classical work. While, on the one hand, it is certain that very many of the forms in column III. will hereafter prove spurious or synonymous with others : on the other hand, we know little of the Amphipoda of the Western Atlantic, and nothing of the Ostracoda free living Copepoda and other smaller Crustacea of that district, and very little of those of some other parts of the area. I venture to prophecy that when the Crustacean

Fauna of the Arctic and Temperate Regions shall have been thoroughly investigated, it will hereafter be found to embrace not less than 5,000 species. It was little suspected a generation ago that the Crustacea is the class which undoubtedly embraces more forms than any other outside the Insecta.

	I. Total Crustacea described from the World in Milne Edwards' 'Histoire des Crustacés.'	II. Species in Milne Edwards' from the Area of this Catalogue.	III. Species now described from the Area of this Catalogue.	IV. Species in the Collection of A. M. N.
<b>CRUSTACEA.</b>				
BRACHYURA.....	321	72	169	100
ANOMURA.....	82	22	87	39
MACRURA.....	46	11	34	17
CARIDA.....	145	64	182	82
SCHIZOPODA.....	24	12	102	58
STOMATOPODA.....	34	5	8	4
CUMACEA.....	1	1	100	66
ISOPODA.....	204	102	406	161
AMPHIPODA.....	130	95	663	272
XIPHOSURA.....	5	1	1	1
PHYLLOPODA.....	13	12	28	15
CLADOCERA.....	27	27	168	100
BRANCHIURA.....	2	2	9	3
OSTRACODA.....	44	41	369	206
COPEPODA.....	104	83	810	204
CIRRIPEDIA.....	—	—	73	34
	1182	550	3209	1362

The above summary will indicate the large gaps which remain to be filled in every order; but I shall be especially obliged to those Naturalists who can aid in making the collection more complete in any of the following special points:—

1. Crustacea of the Black and Caspian Seas.
2. Abyssal Atlantic forms.
3. Grapsoidea, Carida, Schizopoda and Cumacea of the Mediterranean.
4. Astacidae and Phyllopoda of Eastern Europe.
5. European Land Isopoda.
6. Amphipoda of Norway, Arctic Ocean, Abyss of Atlantic, and Mediterranean.
7. Ostracoda and Copepoda of American Coast, and the Mediterranean.
8. Parasitic Copepoda from the entire region, greatly desired.
9. Abyssal Atlantic Cirripedia, the Turtle Parasites, and Rhizocephala.

Of course all other species which are not in this list, will be most acceptable.

*March 3rd, 1886.*



# MUSEUM NORMANIANUM.

## III.—CRUSTACEA.

### Order I.—Brachyura.

#### Nautilograpsus.

- 1 minutus, Fabr.

#### Grapsus.

- 2 marmoratus, Fabr.

#### Sesarma.

- 3 reticulata, Say.

#### Heterograpsus.

- 4 Lucasi, M. Edw.

#### Ocypoda.

- 5 quadrata, J. C. Fab.

#### Gelasimus.

- 6 minax, Leconte.

- 7 vocator, Herbst.

- 8 pugillator, Lat.

#### Geryon.

- 9 tridens, Kröyer.

- 10 longipes, A. M. Edw.

- 11 quinquedens, Smith.

#### Pinnixa.

- 12 cylindrica, Say.

- 13 chætopterana, Say.

#### Pinnotheres.

- 14 pisum, Penn.

- 15 veterum, Bosc.

- 16 ostreum, Say.

- 17 maculatus, Say.

#### Corystes.

- 18 cassivelaunus, Herbst.

#### Atelecycclus.

- 19 septedentatus, Mont.

#### Thia.

- 20 polita, Leach.

#### Polybius.

- 21 Henslowii, Leach.

#### Platyonichus.

- 22 latipes, Penn.

- 23 nasutus, Latr.

- 24 ocellatus, Latr.

#### Carcinus.

- 25 mænas, Baster.

#### Portunus.

- 26 puber, Lin.

- 27 depurator, Lin.

- 28 holsatus, Fab.

- 29 marmoreus, Leach.

- 30 arcuatus, Leach.

- 31 pusillus, Leach.

- 32 corrugatus, Penn.

- 33 tuberculatus, Roux = pustulatus,

Norman.

- 34 longipes, Risso.

#### Lupa.

- 35 hastata, Lin.

#### Callinectes.

- 36 diacanthus, Latr.

#### Bathynectes.

- 37 longispina, Stimp.

#### Eriphia.

- 38 spinifrons, Herbst.

#### Pilumnus.

- 39 hirtellus, Penn.

- 40 spinifer, M. Edw.

- 41 tridentatus, Maitland.

#### Panopeus.

- 42 Herbstii, M. Edw.

- 43 depressus, Smith.

- 44 toxanus, Stimp.

#### Xantho.

- 45 floridus, Montagu.

**Xantho.**—continued.

- 46 rivulosus, Risso.  
47 tuberculatus, Bell.

**Perimela.**

- 48 denticulata, Mont.

**Cancer.**

- 49 pagurus, Lin.  
50 irroratus, Say.  
51 borealis, Stimp.

**Heterocrypta.**

- 52 Marionis, A. M. Edw.

**Lambrus.**

- 53 angulifrons, Latr.  
54 mediterraneus, Roux.  
55 Verrillii, Smith.

**Lissa.**

- 56 chiragra, Herbst.

**Libinia.**

- 57 emarginata, Leach.  
58 dubia, M. Edw.

**Pelia.**

- 59 mutica, Stimp.

**Eurynome.**

- 60 aspera, Penn.

**Pisa.**

- 61 tetraodon, Penn.  
62 biaculeata, Mont, = Gibbsii, Leach.  
63 nodipes, Leach.

**Scyramathia.**

- 64 Carpenteri, Norman.

**Maia.**

- 65 squinado, Rondel.  
66 verrucosa, M. Edw.

**Herbstia.**

- 67 condyliata, M. Edw.

**Chionæcetes.**

- 68 phalangium, Fabr.

**Hyas.**

- 69 araneus, Lin.  
70 coarctatus, Leach.

**Acanthonyx.**

- 71 lunulatus, Risso.

**Anamathia.**

- 72 Risoana, Roux.  
73 Agassizii, Smith.

**Inachus.**

- 74 dorsettensis, Penn.  
75 thoracicus, Roux.  
76 dorynchus, Leach.  
77 leptochirus, Leach,

**Euprognatha.**

- 78 rastellifera, Stimp.

**Ergasticus.**

- 79 Clouei, A. M. Edw.

**Collodes.**

- 80 robustus, Smith.

**Lispognathus.**

- 81 Thomsoni, Norman.

**Achæus.**

- 82 Cranchii, Leach.

**Stenorhynchus.**

- 83 rostratus, Lin.  
84 longirostris, Fabr.  
85 ægyptius, M. Edw.

**Acanthocarpus.**

- 86 Alexandri, Stimp.

**Calappa.**

- 87 granulata, Fabr.

**Ebalia.**

- 88 tuberosa, Penn, = Pennantii, Leach.  
89 tumefacta, Penn, = Bryerii, Leach.  
90 Cranchii, Leach.  
91 nux, Norman.

**Ilia.**

- 92 nucleus, Herbst.

**Cymonotus.**

- 93 granulatus, Norman.

**Ethusa.**

- 94 mascarone, Roux.

**Dorippe.**

- 95 lanata, Bosc.

**Cymopolia.**

- 96 Caronii, Roux.

**Homola.**

- 97 barbata, Herbst,  
98 Cuvieri, Roux.

**Dromia.**

- 99 vulgaris, M. Edw.

**Latreillia.**

- 100 elegans, Roux.

**Order II.—Anomura.****Lithodes.**

- 101 maia, Lin.

**Hippa.**

- 102 emerita, Fabr, = H. talpoidea, Say.

**Catapagurus.**

- 103 Sharreri, A. M. Edw,  
= Hemipagurus socialis, Smith,



**Catapagurus.**—continued.

104 gracilis, Smith.

**Diogenes.**105 varians, Costa, = *P. Dilwynii*, Bate.**Clibanarius.**

106 misanthropus, Risso.

107 Rouxi, Heller.

**Paguristes.**

108 maculatus, Risso.

**Parapagurus.**109 pilosimanus, Smith, = *Eupagurus*  
Jacobi, A. M. Edw.**Eupagurus.**110 Bernhardus, Fabr. = *P. ulidianus*,  
Thomp., *P. Eblaniensis*, Kinahan.

111 Prideauxii, Leach.

112 pubescens, Kröyer = *P. Thompsoni*,  
Bell, E. Kröyeri, Stimp.113 sculptimanus, Lucas, = *P. Forbesii*,  
Bell.114 Lucasi, Heller, = *P. spinimanus*,  
Lucas.

115 angulatus, Risso.

116 meticulosus, Roux, = *P. tricarinatus*,  
Norman.

117 anachoretus, Risso.

118 longicarpus, Stimp.

119 cuanensis, Thomp.

120 politus, Smith.

121 pollicaris, Say.

**Spiropagurus.**

122 Hyndmanni, Thomp.

123 lævis, Thomp.

124 chiroacanthus, Lillj, = *P. ferrugineus*,  
Norman**Pagurus.**

125 striatus, Latr.

126 callidus, Roux.

**Porcellana.**

127 platycheles, Penn.

128 longicornis, Penn.

**Galathea.**

129 strigosa, Lin.

130 squamifera, Leach.

131 nexa, Embleton.

132 intermedia, Lilljeborg = *G.*  
Andrewsii, Kinahan.

133 dispersa, Bate.

**Galathodes.**

134 tridentatus, Esmark

**Anoplonotus.**

135 politus, Smith.

**Munidopsis.**

136 curvirostris, Whiteaves.

**Munida.**

137 Rondeletii, Bell.

138 tenuimana, G. O. Sars.

139 caribæa, Stimp.

**Order III.—Macrura.****Callianassa.**

140 subterranea, Mont.

141 Stimpsoni, Smith.

**Gebia.**

142 deltura, Leach.

143 affinis, Say.

**Axius.**

144 serratus, L. Stimpson.

145 stirhynchus, Leach.

**Calliaxis.**

146 adriatica, Heller.

**Callocaris.**

147 MacAndrei, Bell.

**Palinurus.**

148 vulgaris, Latr.

**Scyllarus.**

149 arctus, Fabricius.

150 latus, Latr.

**Homarus.**

151 vulgaris, M. Edw.

152 americanus, M. Edw.

**Polycheles.**

153 typhlops, Heller.

**Astacus.**

154 pallipes, Lereb,

**Nephrops.**

155 norvegicus, Lin.

**Nephropsis.**

156 atlantica, Norman.

**Order IV.—Carida.****Crangon.**

157 vulgaris, Lin.

158 Allmanni, Kinahan.

159 echinulatus, M. Sars.

160 nanus, Kröyer.

161 neglectus, G. O. Sars

162 trispinosus, Bell.

163 brevirostris, Smith

164 Jacqueti, A. M. Edw.

**Crangon.**—continued.

- 165 spinosus, Leach.  
 166 norvegicus, M. Sars.  
 167 fasciatus, Risso.  
 168 sculptus, Bell.  
 169 cataphractus, Olivi.

**Nectocrangon.**

- 170 lar, Kröyer.

**Sclerocrangon.**

- 171 boreas, Kröyer.  
 172 salebrosus, Owen, = Cheraphilus  
     ferox, Sars.  
 173 Agassizii, Smith, = Ceraphilus  
     Agassizii, Smith.

**Sabinea.**

- 174 septemcarinata, Kröyer.  
 175 Sarsii, Smith.  
 176 princeps, Smith.

**Glyptocrangon.**

- 177 sculptus, Smith.

**Gnathophyllum.**

- 178 elegans, Latr.

**Lysmata.**

- 179 seticaudata, Risso.

**Nika.**

- 180 edulis, Risso.

**Acanthephyra.**

- 181 Agassizii, Smith.

**Nematocarcinus.**

- 182 ensifer, Smith.

**Hymenodora.**

- 183 glacialis, Bucholz.

**Pasiphæa.**

- 184 tarda, Kröyer.  
 185 sivado, M. Edw.

**Alpheus.**

- 186 ruber, M. Edw.  
 187 megacheles, Hailstone, = A. Ed-  
     wardsii Bate, A. affinis, Guise.  
 188 dentipes, Guerin,  
 189 Costæ, Prestandrea, = A. lævimanus,  
     Heller.

**Athanas.**

- 190 nitescens, Leach.

**Cryptocheles.**

- 191 pygmæa, G. O. Sars.

**Bythocaris.**

- 192 Payeri, Heller,

**Virbius.**

- 193 varians, Leach.  
 194 fasciger, Gosse.  
 195 viridis, Otto, = H. Whitei and  
     Mitchelli, Thompson.  
 196 productus, Norman.  
 197 gracilis, Heller.  
 198 leptocerus, Heller.  
 199 zostericola, Smith.  
 200 pleuracanthus, Stimpson.

**Hippolyte.**

- 201 spinus, Sowerby.  
 202 securifrons, Norman.  
 203 macilenta, Kröyer.  
 204 Phippsii, Kröyer = turgida, Kr. fem.  
 205 polaris, Sabine, = cultellata, Norman,  
     borealis, Ross, mas.  
 206 grœnlandica, J. C. Fab.  
 207 Gaimardi, M. Edw, = pandaliformis,  
     Bell.  
 208 Cranchii, Leach, = Yarrellii, Thomp.  
     var.  
 209 pusiola, Kröyer, = Barleei, Bate;  
     Andrewsii, Kinahan.  
 210 Fabricii, Kröyer.

**Caridion.**

- 211 Gordoni, Bate.

**Anchistia.**

- 212 scripta, Risso, = Dennisia  
     agattifera, Norman.

**Pontonia.**

- 213 tyrrhena, Risso.  
 214 plallusiæ, Marion.  
 215 flavomaculata, Heller.

**Typton.**

- 216 spongicola, Costa.

**Pandalus.**

- 217 annulicornis, Leach.  
 218 borealis, Kröyer.  
 219 propinquus, G. O. Sars.  
 220 leptocerus, Smith.  
 221 brevirostris, Rathke, = Hipp.  
     Thompsoni, Bell.

**Palæmonetes.**

- 222 varians, Leach.  
 223 vulgaris, Say.

**Palæmon.**

- 224 serratus, Penn.  
 225 squilla, Leach.  
 226 minans, Norman,



**Palæmon.**—continued.

- 227 Treillianus, Risso.  
228 Fabricii, Rathke, = P. Leachii Bell.

**Stenopus.**

- 229 spinosus, Risso.

**Sicyonia.**

- 230 carinata, Olivi.

**Penæus.**

- 231 caramote, Risso.  
232 foliaceus, Risso.

**Solenocera.**

- 233 siphonocera, Philippi, = S. Philippii Lucas.

**Parapenæus.**

- 234 membranaceus, Risso (non M. Edw.)  
235 politus, Smith.  
236 constrictus, Smith.

**Amalopenæus.**

- 237 elegans, Smith.

**Sergestes.**

- 238 arcticus, Kröyer.

**Order V.—Schizopoda.****Lophogaster.**

- 239 typicus, M. Sars, = Ctenomysis alata, Norman.

**Nematoscelis.**

- 240 borealis, Norman.

**Thysanoessa.**

- 241 tenera, G. O. Sars.

**Boreophausia.**

- 242 inermis, Kröyer.  
243 Raschii, M. Sars.

**Nyctiphanes.**

- 244 norvegica, M. Sars.  
245 Couchii, Bell.

**Boreomysis.**

- 246 arctica, Kröyer.  
247 megalops, G. O. Sars.  
248 nobilis, G. O. Sars.  
249 scyphops, G. O. Sars.

**Erythrops.**

- 250 erythrophthalmus, Goes.  
251 serrata, G. O. Sars.  
252 microphthalmus, G. O. Sars.  
253 pygmæa, G. O. Sars.  
254 abyssorum, G. O. Sars.

**Parerythrops.**

- 255 obesa, G. O. Sars.  
256 abyssicola, G. O. Sars.

**Pseudomma.**

- 257 roseum, G. O. Sars.  
258 affine, G. O. Sars.  
259 truncatum, Smith.

**Amblyops.**

- 260 abbreviata, G. O. Sars.

**Mysidopsis.**

- 261 didelphys, Norman.  
262 gibbosa, G. O. Sars.  
263 angusta, G. O. Sars.

**Leptomysis.**

- 264 gracilis, G. O. Sars, = Mysidopsis hispida, Norman.  
265 lingvura, G. O. Sars.  
266 mediterranea, G. O. Sars.

**Siriella.**

- 267 norvegica, G. O. Sars.  
268 crassipes, G. O. Sars.  
269 armata, M. Edw. = Mysis Griffithsia, Bell.  
269\* Brooki, Norman.

**Mysideis.**

- 270 insignis, G. O. Sars.  
271 grandis, Goes.

**Gastrosaccus.**

- 272 sanctus, Van Ben.  
273 spinifer, Goes.  
274 Normani, G. O. Sars.

**Macropsis.**

- 275 Slabberi, Van Ben.

**Mysis.**

- 276 flexuosa, Müller.  
277 neglecta, G. O. Sars.  
278 inermis, Rathke.  
279 spiritus, Norman.  
280 ornata, G. O. Sars.  
281 Kervillei, G. O. Sars.  
282 Helli, G. O. Sars.  
283 arenosa, G. O. Sars.  
284 Lamornæ, Couch.  
285 oculata, Fabr.  
286 var. relicta, Lovén.  
287 mixta, Lilljeborg.  
288 stenolepis, Smith.  
289 americana, Smith.  
290 vulgaris, Thompson.  
291 longicornis, M. Edw.

**Hemimysis.**

- 292 abyssicola, G. O. Sars.

**Heteromysis.**

- 293 microps, G. O. Sars.  
294 formosa, Smith.

**Mysidella.**

- 295 typica, G. O. Sars.  
296 typhlops, G. O. Sars.

**Order VI.—Stomatopoda.****Squilla.**

- 297 mantis, Rond.  
298 Desmarestii, Risso.  
299 empusa, Say.

**Lysiosquilla.**

- 300 eusebia, Risso.

**Order VII.—Cumacea.****Cuma.**

- 301 scorpioides, Montagu.

**Cyclaspis.**

- 302 longicaudata, G. O. Sars.

**Iphinoe.**

- 303 trispinosa, Goodsir.  
304 serrata, Norman.  
305 tenella, G. O. Sars.

**Cumopsis.**

- 306 lævis, G. O. Sars.

**Vaunthompsonia.**

- 307 cristata, Bate.

**Lamprops.**

- 308 fasciata, G. O. Sars.  
309 fuscata, G. O. Sars.

**Hemilamprops.**

- 310 rosea, Norman, = Cyrianassa  
elegans, Norman, mas.  
311 cristata, G. O. Sars.  
312 uniplicata, G. O. Sars.

**Platyaspis.**

- 313 typica, G. O. Sars.

**Leucon.**

- 314 nasicus, Krøyer.  
315 nasicoideus, Lilljeborg.  
316 fulvus, G. O. Sars.  
317 acutirostris, G. O. Sars.  
318 pallidus, G. O. Sars.  
319 serratus, Norman.  
320 brevisrostris, Norman.

**Eudorella.**

- 321 emarginata, Krøyer, = Cyrianassa  
ciliata, Norman, mas.

- 322 truncatula, Bate, = Eudorella  
inermis, Meinert, mas.

- 323 pusilla, G. O. Sars.

- 324 hispida, G. O. Sars.

- 325 hirsuta, G. O. Sars.

- 326 nana, G. O. Sars.

**Eudorellopsis.**

- 327 deformis, Krøyer.

**Diastylis.**

- 328 Rathkii, Krøyer,  
329 lucifera, Krøyer.  
330 cornuta, Boeck.  
331 Goodsiri, Bell.  
332 scorpioides, Lepechin.  
333 picta, Stuxberg.  
334 rugosa, G. O. Sars, = D. strigata,  
Norman, mas.  
335 tumida, Lilljeborg.  
336 lævis, Norman.  
337 serrata, G. O. Sars.  
338 biplicata, G. O. Sars.  
339 lamellata, Norman.  
340 polaris, G. O. Sars.  
341 sculpta, G. O. Sars.  
342 Edwardsii, Krøyer.  
343 quadrispinosa, G. O. Sars.  
344 abbreviata, G. O. Sars.  
345 Josephinæ, G. O. Sars.  
346 longipes, G. O. Sars.  
347 echinata, Bate.  
348 spinosa, Norman, = D. bimarginata,  
Bate.  
349 Bradyi, Norman.  
350 Calveri, Norman.  
351 armata, Norman.  
352 polita, Smith.

**Leptostylis.**

- 353 longimana, G. O. Sars.  
354 ampullacea, Lilljeborg.  
355 macrura, G. O. Sars.  
356 villosa, G. O. Sars.

**Pseudocuma.**

- 357 cercaria, Van Ben, = Cyrianassa  
longicornis, Bate, mas.

**Petalomera.**

- 358 declivis, G. O. Sars.

**Campylaspis.**

- 359 rubicunda, Lilljeborg.  
360 costata, G. O. Sars.  
361 undata, G. O. Sars.



**Campylaspis.**—continued.

- 362 verrucosa, G. O. Sars.  
363 sulcata, G. O. Sars.  
364 horrida, G. O. Sars.

**Cumella.**

- 365 pygmæa, G. O. Sars, = *C. agilis*,  
Norman.

**Nannasticus.**

- 366 unguiculatus, Bate, = *N. binocoloides*,  
Bate, mas.

**Order VIII.—Isopoda.**

**Apseudes.**

- 367 talpa, Mont.  
368 Latreillii, M. Edw.  
369 spinosus, M. Sars.  
370 echinatus, G. O. Sars.  
371 uncidigitatus, Nor. & Steb.  
372 obtusifrons, Nor. & Steb.  
373 simplicirostris, Nor. & Steb.  
374 tricornis, Norman.  
375 gracilis, Nor. & Steb.

**Sphyrapus.**

- 376 malleolus, Nor. & Steb.  
377 tudes, Nor. & Steb.  
378 anomalus, G. O. Sars.

**Tanais.**

- 379 vittatus, Rathke.

**Leptocheilia.**

- 380 serratospinosa, Nor. & Steb.  
381 elegans, Nor. & Steb.  
382 affinis, Nor. & Steb.  
383 filum, Stimpson, = *L. Edwardsii*,  
B. & W.

**Typhlotanais.**

- 384 tenuiremis, Lillj.  
385 assimilis, G. O. Sars.

**Leptognathia.**

- 386 longiremis, Lillj.  
387 breviremis, Lillj.  
388 brevimana, Lillj.  
389 graciloides, Lillj.

**Pseudotanais.**

- 390 forcipatus, Lillj.

**Cryptocope.**

- 391 abbreviata, G. O. Sars.

**Tanaella.**

- 392 unguicillata, Nor. & Steb.

**Strongylura.**

- 393 arctophylax, Nor. & Steb.

**Anthura.**

- 394 gracilis, Montagu.  
395 polita, Stimpson, = *Paranthura*  
costana, B. & W.  
396 tenuis, G. O. Sars.

**Paranthura.**

- 397 brachiata, Stimpson.  
398 brunnea, Harger.  
399 norvegica, G. O. Sars.

**Anceus.**

- 400 maxillaris, Mont.  
401 formica, Hesse.  
402 vorax, Lucas.  
403 elongatus, Kröyer.

**Livoneca.**

- 404 Redmanni, Leach.

**Olincira.**

- 405 prægustator, Latrobe.

**Anilocra.**

- 406 physodes, Lin.  
407 frontalis, M. Edw.

**Nerocila.**

- 408 bivittata, Risso.  
409 neapolitana, St. & M.  
410 munda, Harger.  
411 maculata, M. Edw.

**Ceratothoa.**

- 412 oestroides, Risso.

**Emethia.**

- 413 Audouinii, M. Edw.

**Rocinela.**

- 414 danmoniensis, Leach.  
415 Dumerillii, Lucas.

**Æga.**

- 416 crenulata, Lütken.  
417 Strömii, Lütken.  
418 psora, Lin.  
419 monophthalma, Johnston.  
420 arctica, Lütken.

**Ægiocbus.**

- 421 Nordenskiöldii, Bovallius.

**Syncenus.**

- 422 infelix, Harger.

**Conilera.**

- 423 cylindracea, M. Edw.

**Cirolana.**

- 424 hirtipes, M. Edw., = *C. spinipes*,  
B. & W., = *C. borealis*, Lilljeborg.  
425 concharum, Stimp.

**Eurydice.**

- 426 pulchra, Leach.  
 427 truncata, Norman.  
 428 polydendrica, Nor. & Steb.

**Sphæroma.**

- 429 serratum, Fab.  
 430 rugicanda, Leach.  
 431 Hookeri, Leach.  
 432 curtum, Leach.  
 433 Prideauxianum, Leach.  
 434 granulatum, M. Edw.  
 435 quadridentatum, Say.

**Cymodocea.**

- 436 pilosa, M. Edw.  
 437 truncata, Leach.

**Dynamene.**

- 438 versicolor, Rathke, = *D. rubra* and  
*viridis*, Leach, = *D. varians*,  
 Stebbing.

**Næsa.**

- 439 bidentata, Adams.

**Campecopea.**

- 440 hirsuta, Mont.

**Limnoria.**

- 441 lignorum, Rathke.

**Glyptonotus.**

- 442 entomon, Lin.  
 443 Sabini, Kröyer.  
 444 cæcus, Say.  
 445 Tuftsii, Stimpson.

**Idotea.**

- 446 prismatica, Risso, = *I. parallela*,  
 B. & W.  
 447 marina, Lin, = *I. tricuspidata* and  
*pelagica*, B. & W.  
 448 phosphorea, Harger.  
 449 metallica, Bosc, = *I. robusta*, Kröyer.  
 450 emarginata, Fab.  
 451 hectica, Pallas.  
 452 linearis, Lin.  
 453 acuminata, Leach, = *I. appendiculata*,  
 M. Edw.

**Edotea.**

- 454 bicuspidata, Owen.  
 455 triloba, Say.  
 456 montosa, Stimpson.

**Cleantis.**

- 457 filiformis, Say.  
 458 attenuata, Harger.

**Astacilla.**

- 459 longicornis, Sow.  
 460 intermedia, Goodsir.  
 461 gracilis, Goodsir.

- 462 danmoniensis, Stebbing.  
 463 Deshayesii, Lucas, = *A. linearis*,  
 Stebbing.  
 464 granulata, G. O. Sars, = *A. americana*,  
 Harger.  
 465 affinis, G. O. Sars.  
 466 pusilla, G. O. Sars.

**Arcturus.**

- 467 Baffini, Sabine.  
 468 tuberosus, G. O. Sars.  
 469 hystrix, G. O. Sars.

**Nannoniscus.**

- 470 bicuspidata, G. O. Sars.

**Asellus.**

- 471 aquaticus, Lin.

**Janira.**

- 472 maculosa, Leach.

**Jæra.**

- 473 albifrons, Mont.  
 474 Nordmanni, Rathke.

**Leptaspidia.**

- 475 brevipes, B. & W.

**Dendrotium.**

- 476 spinosum, G. O. Sars.

**Pleurogonium.**

- 477 rubicundum, G. O. Sars.  
 478 spinosissimum, G. O. Sars.

**Paramunna.**

- 479 bilobata, G. O. Sars.

**Munna.**

- 480 Boeckii, Kröyer.  
 481 limicola, G. O. Sars.

**Ichnosoma.**

- 482 bispinosum, G. O. Sars.  
 483 quadrispinosum, G. O. Sars.

**Macrostylis.**

- 484 spinifera, G. O. Sars.

**Desmosoma.**

- 485 lineare, G. O. Sars.  
 486 armatum, G. O. Sars.  
 487 aculeatum, G. O. Sars.

**Ilyarachna.**

- 488 longicornis, G. O. Sars.  
 489 hirsuta, G. O. Sars.  
 490 hirticeps, G. O. Sars.  
 491 coronata, G. O. Sars.  
 492 clypeata, G. O. Sars.

**Munnopsis.**

- 493 typica, M. Sars,



**Eurycope.**

- 494 cornuta, G. O. Sars.  
 495 phalangium, G. O. Sars.  
 496 mutica, G. O. Sars.  
 497 producta, G. O. Sars.  
 498 furcata, G. O. Sars.  
 499 gigantea, G. O. Sars.

**Liriopsis.**

- 500 pygmæa, Rathke.

**Aspidophryxus.**

- 501 peltatus, G. O. Sars.

**Cyproniscus.**

- 502 cypridinæ, G. O. Sars.

**Athelges.**

- 503 paguri, Rathke.

**Pleurocrypta.**

- 504 galatheæ, Hesse, = non Phryxus  
 galatheæ, B. & W.  
 505 longibranchiata, B. & W.  
 506 hippolytes, Kröyer.

**Gyge.**

- 507 branchialis, Cor. and Pan, = G.  
 galatheæ, B. & W.  
 508 Hyndmanni, B. & W.  
 509 confusa, Norman, = Phryxus  
 galatheæ, B. & W., non  
 Pleurocrypta galatheæ, Hesse.

**Phryxus.**

- 510 abdominalis, Kröyer.

**Ione.**

- 511 thoracica, Mont.

**Bopyrus.**

- 512 squillarum, Latr.

**Bopyrina.**

- 513 ocellata, Czern, = Bopyrus virbii,  
 Walz.

**Ligia.**

- 514 oceanica, Lin.  
 515 Brandtii, Rathke.

**Ligidium.**

- 516 agile, Persoon.  
 517 Couchii, Kinahan.

**Trichoniscus.**

- 518 roseus, Koch.

**Armadillidium.**

- 519 vulgare, Latr.  
 520 granulatum, Brandt,  
 521 frontirostre, B. Lund.  
 522 Klugii, Brandt.

**Porcellio.**

- 523 scaber, Latr.  
 524 dilatatus, Brandt.

**Metaponorthrus.**

- 525 pruinosis, Brandt.

**Platyarthrus.**

- 526 Hoffmanseggii, Brandt.

**Philoscia.**

- 527 muscorum, Scopoli.

**Order IX.—Amphipoda.****Thyropus.**

- 528 ovoides, Risso.

**Lycæa.**

- 529 Malmii, Boeck.

**Themisto.**

- 530 libellula, Mandt = Th. crassicornis,  
 Bate.  
 531 bispinosa, Boeck.

**Parathemisto.**

- 532 obliqua, Kröyer.  
 533 compressa, Goes, = Lestrigonus  
 spinidorsalis, Bate.

**Tauria.**

- 534 medusarum, O. Fab., = Hyperia  
 tauriformis, B. & W.

**Hyperia.**

- 535 medusarum, O. Müll., = H. galba  
 Mont, Lestrigonus Kinahani,  
 B. & W.  
 536 spinipes, Boeck.

**Cystosoma.**

- 537 neptuni, Guérin.

**Clydonia.**

- 538 borealis, G. O. Sars.

**Phronima.**

- 539 sedentaria, Forskal.

**Phronimella.**

- 540 elongata, Claus.

**Phrosina.**

- 541 semilunata, Risso.

**Vibilia.**

- 542 Jeangerardii, Audouin.

**Talitrus.**

- 543 locusta, Pallas.

**Orchestia.**

- 544 gammarellus, Pallas = G. littorea,  
 Mont.  
 545 Deshayesii, Audouin.  
 546 mediterranea, Costa.  
 547 agilis, Smith.  
 548 palustris, Smith.

**Talorchestia.**

- 549 longicornis, Say.  
550 megalophthalmus, Bate.

**Hyale.**

- 551 Nilssoni, Rathke, = Allorchestes  
Danai, Bate.  
552 Lubbockiana, Bate, = Allorchestes  
imbricatus and carinatus, Bate.  
553 littoralis, Stimpson.  
554 nudicornis, Heller.

**Lysianassa.**

- 555 Costæ, M. Edw.  
556 longicornis, Lucas.  
557 spinicornis, Costa, = L. marina, Bate.

**Ichnopus.**

- 558 affinis, Heller.

**Callisoma.**

- 559 crenata, Bate.  
560 Krøyeri, Bruzelius.

**Socarnes.**

- 561 Vahli, Krøyer.

**Hippomedon.**

- 562 Holbölli, Krøyer, = A. denticulatus,  
Bate.  
563 abyssi, Goes.

**Aristeus.**

- 564 tumidus, Krøyer, = Lysianassa  
Audouiniana, Bate.

**Anonyx.**

- 565 lagena, Krøyer.  
566 gulosus, Krøyer, = A. Holbölli, Bate.  
567 nobilis, Stimpson.  
568 pumilus, Lilljeborg.  
569 melanophthalmus, Norman.

**Onesimus.**

- 570 littoralis, Krøyer.  
571 plautus, Krøyer.  
572 Edwardsii, Krøyer.

**Orchomene.**

- 573 serrata, Boeck, = A. Edwardsii,  
Bate (non Krøyer).  
574 minuta, Krøyer.

**Triphosa.**

- 575 nana, Krøyer.  
576 longipes, Bate, = A. longipes and  
ampulla, Bate.  
577 nanoides, Lilljeborg.

**Lepidepcreum.**

- 578 carinatum, Bate, = A. longicornis,  
Bate.

**Normania.**

- 579 quadrimana, B. & W.

**Acidostoma.**

- 580 obesum, Bate.

**Euonyx.**

- 581 chelatus, Norman.

**Pontoporeia.**

- 582 femorata, Krøyer.  
583 affinis, Lindstrom.

**Bathyporeia.**

- 584 pilosa, Lindstrom, = A. pelagica and  
Robertsoni, Bate.

**Phoxus.**

- 585 Holbölli, Krøyer.  
586 simplex, Bate.  
587 oculatus, G. O. Sars.

**Harpina.**

- 588 plumosa, Krøyer.  
589 Krøyeri, Stimpson.

**Lepidactylis.**

- 590 arenaria, Slabber, = Sulcator aren-  
arius, Bate.

**Urothoe.**

- 591 marinus, Bate.  
592 norvegicus, Boeck, = U. Bairdii, Bate.  
593 elegans, Bate.

**Stegocephalus.**

- 594 ampulla, Phipps.

**Andania.**

- 595 nordlandica, Boeck.

**Amphilochus.**

- 596 manudens, Bate.

**Cyproidea.**

- 597 danmoniensis, Stebbing.

**Metopa.**

- 598 clypeata, Krøyer.  
599 Alderi, Bate.  
600 affinis, Boeck.  
601 Solsbergi, Schneider.  
602 borealis, G. O. Sars.  
603 pollexiana, Bate.  
604 rubrovittata, G. O. Sars.

**Stenothoe.**

- 605 marina, Bate.  
606 monoculoides, Montagu.



**Probolium.**

- 607 serratipes, Norman.

**Danaia.**

- 608 dubia, Bate.

**Syrrhoë.**

- 609 crenulata, Goes.  
610 hamatipes, Norman.

**Tiron.**

- 611 acanthurus, Lilljeborg.

**Ædiceros.**

- 612 saginatus, Kröyer.  
613 lynceus, M. Sars.  
614 borealis, Boeck.  
615 microps, G. O. Sars.  
616 cæculus, Bate.  
617 parvimanus, Bate.  
618 æquicornis, Norman.

**Monoculodes.**

- 619 Stimpsoni, Bate.  
620 longimanus, B. & W.  
621 borealis, Boeck.  
622 latimanus, G. O. Sars.  
623 tessellatus, Schneider.  
624 longirostris, Goes.  
625 Packardi, Boeck.  
626 carinatus, Bate.  
627 norvegicus, Boeck.

**Halimедon.**

- 628 Mülleri, Boeck.  
629 Saussurei, Boeck.  
630 brevicar, Goes.  
631 megalops, G. O. Sars.

**Pontocrates.**

- 632 norvegicus, Boeck, = Kröyer  
arenaria, Bate.  
633 haplocheles, Grube, = Kröyer  
brevicarpa, B. & W.  
634 altamarinus, B. & W.

**Aceros.**

- 635 phyllonyx, M. Sars.

**Ædiceropsis.**

- 636 brevicornis, Lilljeborg.

**Acanthostepheia.**

- 637 Malmgreni, Goes.

**Pleustes.**

- 638 panoplus, Kröyer.

**Paramphithoe.**

- 639 pulchella, Kröyer.  
640 bicuspis, Kröyer, = Pherusa bicuspis,  
Bate.

- 641 glabra, Boeck.  
642 cataphracta, Stimpson.  
643 fucicola, Leach.

**Parapleustes.**

- 644 gracilis, Bucholz.

**Laphysteus.**

- 645 sturionis, Kröyer.

**Odius.**

- 646 carinatus, Bate.

**Pereionotus.**

- 647 testudo, Montagu.

**Iphimedia.**

- 648 obesa, Rathke.

**Epimeria.**

- 649 cornigera, Fab. = Acanthonotus  
Owenii, Bate.  
650 loricata, G. O. Sars.

**Acanthonotozone.**

- 651 cuspidata, Lepechin.

**Vertumnus.**

- 652 serratus, O. Fab.  
653 inflatus, Kröyer.

**Tritæta.**

- 654 gibbosa, Bate, = Atylus gibbosus, Bate

**Dexamine.**

- 655 spinosa, Montagu.  
656 tenuicornis, Rathke.

**Atylus.**

- 657 carinatus, Fabricius.  
658 Swammendamii, M. Edw.  
659 vedlomensis, B. & W.

**Pontogeneia.**

- 660 inermis, Kröyer.

**Halirages.**

- 661 bispinosus, Bate.  
662 tridentatus, Bruzelius.  
663 fulvocinctus, M. Sars.

**Amphithopsis.**

- 664 latipes, M. Sars.

**Calliopius.**

- 665 læviusculus, Kröyer.  
666 grandoculus, Bate.  
667 norvegicus, Rathke.  
668 bidentatus, Norman.

**Lencothoe.**

- 669 spinicarpus, Abild, = L. articulosa,  
Bate.

**Tritropis.**

- 670 aculeata, Lepechin.  
 671 inflata, G. O. Sars.  
 672 cataphracta, Stimpson.

**Eusirus.**

- 673 cuspidatus, Kröyer, = *E. helvetiæ*,  
 Bate.

**Lilljeborgia.**

- 674 pallida, Bate.  
 675 fissicornis, M. Sars.

**Nicippe.**

- 676 tumida, Bruzelius.

**Pardalisca.**

- 677 cuspidata, Kröyer.

**Melphidippa.**

- 678 longipes, Boeck.

**Amathilla.**

- 679 Sabini, Leach.  
 680 angulosa, Rathke.  
 681 pinguis, Kröyer.

**Eriopis.**

- 682 elongata, Bruzelius.

**Niphargus.**

- 683 aquilex, Schiödt.

**Gammarella.**

- 684 brevicaudata, M. Edw.  
 685 Normani, B. & W.

**Isæa.**

- 686 Montagu, M. Edw.

**Cheirocratus.**

- 687 Sundevalli, Rathke, = *Lilljeborgia*  
*shetlandica*, B. & W.; *Proto-*  
*medeia* Whitei, Bate; *Cheiro-*  
*cratus* Normani, Stebbing.

- 688 assimilis, Lilljeborg, = *Ch. mantis*,  
 Norman.

**Melita.**

- 689 obtusata, Mont., = *M. proxima*, Bate;  
*Megamæra Alderi*, Bate.  
 690 gladiosa, Bate.  
 691 palmata, Montagu.  
 692 angulata, Smith.  
 693 dentata, Kröyer.  
 694 orchestipes, Costa,  
 695 nitida, Smith.

**Mæra.**

- 696 Lovéni, Bruzelius.  
 697 longimana, Thompson.  
 698 othonis, M. Edw.

- 699 Batei, Norman, = *Megamæra*  
*multidentata*, B. & W.  
 700 semiserrata, Bate.  
 701 brevicandata, Bate.  
 702 grossimana, Montagu.  
 703 lævis, Smith.  
 704 Danæ, Stimpson.

**Gammarus.**

- 705 locusta, Lin.  
 706 marinus, Leach.  
 707 campylops, Leach.  
 708 Edwardsii, Bate.  
 709 pulex, Pennant.  
 710 neglectus, Lilljeborg.  
 711 veneris, Heller.

**Byblis.**

- 712 Gaimardi, Kröyer.  
 713 serrata, Smith.

**Ampelisca.**

- 714 tenuicornis, Lilljeborg, = *A. lævigata*,  
 B. & W.  
 715 typica, Bate, = *A. Gaimardi*, Bate  
 (non Kröyer.)  
 716 æquicornis, Bruzelius.  
 717 Eschrichtii, Kröyer.  
 718 macrocephala, Lilljeborg.  
 719 lævigata, Lilljeborg.  
 720 gracilis, Smith.  
 721 limicola, Stimpson.

**Haploops.**

- 722 tubicola, Lilljeborg.  
 723 setosa, Boeck.

**Ptilocheirus.**

- 724 hirsutimanus, Bate.  
 725 pilosus, Zaddach.  
 726 pinguis, Stimpson.

**Photis.**

- 727 Reinhardi, Kröyer.  
 728 longicaudata, B. & W.

**Megamphopus.**

- 729 cornutus, Norman.

**Microprotopus.**

- 730 maculatus, Norman.

**Microdeuteropus.**

- 731 gryllotalpa, Costa, = *Autonoe grandi-*  
*mana*, Bruz.  
 732 anomalus, Rathke, = *M. gryllotalpa*,  
 Bate (non Costa.)



- Microdeuteropus.**—continued.
- 733 minax, Smith.
- Stimpsonia.**
- 734 chelifera, Bate.
- Aora.**
- 735 gracilis, Bate.
- Autonoe.**
- 736 Websteri, Bate.
- 737 longipes, Lilljeborg.
- 738 plumosa, Boeck, = *Microdeuteropus*  
bidentatus, Stebbing.
- 739 versiculata, Bate.
- Protomedeia.**
- 740 fasciata, Kröyer.
- Gammaropsis.**
- 741 erythrophthalmus, Lilljeborg.
- 742 melanops, G. O. Sars.
- Podoceropsis.**
- 743 Sophiæ, Boeck, = *Nænia tuberculosa*,  
Bate.
- 744 rimapalma, Bate, = *Nænia excavata*  
and undata, Bate.
- Amphithoe.**
- 745 podoceroïdes, Rathke, = *A. littorina*,  
Bate.
- 746 rubricata, Montagu.
- 747 cuniculus, Stebbing.
- 748 penicillata, A. Costa.
- 749 maculata, Stimpson.
- Sunamphithoe.**
- 750 hamulus, Bate.
- Janassa.**
- 751 capillata, Rathke.
- Podocerus.**
- 752 falcatus, Montagu, = *Jassa pelagica*  
and pulchella, Leach.
- 753 variegatus, Leach.
- 754 anguipes, Kröyer.
- 755 latipes, Kröyer.
- 756 assimilis, G. O. Sars.
- 757 minutus, G. O. Sars.
- Erichthonius.**
- 758 difformis, M. Edw. = *Dercothoe*  
punctatus, Bate, fem.
- 759 abditus, Templeton.
- Corophium.**
- 760 grossipes, Lin. = *Gammarus*  
longicornis, Fabr.
- 761 crassicornæ, Bruzelius, = *C. spinicorne*  
and Bonellii, B. & W.
- 762 tenuicorne, Norman.
- 763 cylindricum, Say.
- Siphonæcetes.**
- 764 typicus, Kröyer.
- 765 pallidus, G. O. Sars.
- 766 cuspidatus, Smith.
- Colomastix.**
- 767 pusilla, Grube, = *Exunguia stilipes*,  
Norman.
- Dryope.**
- 768 irrorata, Bate.
- 769 crenatipalmata, Bate.
- Dulichia.**
- 770 falcata, Bate.
- 771 porrecta, Bate.
- 772 monacantha, Metzger.
- Unciola.**
- 773 irrorata, Say.
- 774 planipes, Norman, = *Unciola leucopis*,  
B. & W. (non Kröyer).
- Lætmatophilus.**
- 775 Darwini, Bate.
- 776 armatus, Norman.
- Chelura.**
- 777 terebrans, Philippi.
- Proto.**
- 778 ventricosa, Müller, = *P. pedata* and  
Goodseri, B. & W.
- Ægina.**
- 779 spinifera, Bell, = *A. spinosissima*,  
Stimpson.
- Protella.**
- 780 phasma, Mont.
- Podalirius.**
- 781 typicus, Kröyer.
- 782 minutus, Mayer.
- 783 Kröyeri, Haller.
- Caprella.**
- 784 linearis, Lin. = *C. lobata*, B. & W.
- 785 æquilibra, Say.
- 786 acutifrons, Latr.
- 787 hystrix, Bell, = *C. acuminifera*, Bate  
(non Latr).
- 788 tuberculata, Guérin.
- 789 dentata, Haller.
- 790 acanthifera, Leach, = *C. calva*, B. & W.
- 791 grandimana, Mayer, = *C. Dohrni*,  
Haller.
- 792 septentrionalis, Kröyer.
- 793 spinosissima, Norman, = *C. horrida*  
Sars.

**Cyamus.**

- 794 ceti, Pallas.  
 795 boopis, Lütken.  
 796 monodontis, Lütken.  
 797 nodosus, Lütken.  
 798 globicipitis, Lütken.

**Plytycyamus.**

- 799 Thompsoni, Gosse.

**Order X.—Xiphosura.****Limulus.**

- 800 polyphemus, Latr.

**Order XI.—Phyllopoda.****Nebalia.**

- 801 bipes, Fabr.

**Limnetis.**

- 802 brachyurus, Müller.

**Limnadia.**

- 803 lenticularis, Lin.

**Estheria.**

- 804 cycladoides, Joly.  
 805 pesthinensis, Bruhl.

**Apus.**

- 806 cancriformis, Schæffer.

**Lepidurus.**

- 807 productus, Bosc.  
 808 glacialis, Kröyer.

**Branchipus.**

- 809 Grubei, Dybowski.

**Chirocephalus.**

- 810 stagnalis, Lin.  
 811 diaphanus, Prevost.

**Branchinecta.**

- 812 paludosa, Müller.

**Streptocephalus.**

- 813 torvicornis, Waga.

**Polyartemia.**

- 814 forcipata, Fischer.

**Artemia.**

- 815 salina, Fab.

**Order XII.—Cladocera.****Latona.**

- 816 setifera, Müller.

**Daphnella.**

- 817 brachyura, Liévin, = D. Wingii, Baird.  
 818 Brandtiana, Fischer.

**Sida.**

- 819 crystallina, Müller.

**Limnosida.**

- 820 frontosa, G. O. Sars.

**Holopedium.**

- 821 gibberum, Zaddach.

**Daphnia.**

- 822 pulex, De Geer.  
 (a) var : Middendorffiana, S.  
 Fischer.

- 823 magna, Strauss, = D. Schæfferi, Baird.

- 824 longispina, Müller.

- (a) var : cavirostris, G. O. Sars.

- 825 psittacea, Baird.

- 826 brevisetosa, Hellich.

- 827 hyalina, Leydig.

- 828 pellucida, P. E. Müller.

- 829 ovata, G. O. Sars.

- 830 lacustris, G. O. Sars.

- (a) var : galeata, G. O. Sars.

- 831 Jardinii, Baird, = D. cucullata,  
 G. O. Sars.

- (a) var : apicata, Kurz.

- (b) var : kahlbergiensis, Schödler.

- (c) var : cederstromii, Schödler.

- 832 longiremis, G. O. Sars.

**Cephaloxus.**

- 833 cristatus, G. O. Sars.

**Simocephalus.**

- 834 vetulus, Müller.

- 835 exspinosus, Koch.

- 836 serrulatus, Koch.

- 837 congener, Koch.

**Scapholeberis.**

- 838 mucronata, Müller.

- 839 obtusa, Schödler.

**Ceriodaphnia.**

- 840 reticulata, Jurine.

- 841 quadrangula, Müller.

- 842 rotunda, Straus.

- 843 megalops, G. O. Sars.

- 844 pulchella, G. O. Sars.

- 845 laticaudata, P. E. Müller.

**Moina.**

- 846 rectirostris, Müller.

- 847 Lilljeborgii, Schödler.

**Bosmina.**

- 848 cornuta, Jurine.

- 849 longirostris, Müller.

- 850 longispina, Leydig.



**Bosmina.**—continued.

- 851 Lilljeborgii, G. O. Sars.  
 852 coregoni, Baird, = *B. rotunda*,  
 Schödler, *B. diaphana*, P. E.  
 Muller.

- 853 nitida, G. O. Sars.  
 854 maritima, P. E. Müller.  
 855 brevirostris, P. E. Müller.  
 856 bohémica, Hellick.  
 857 gibbera, Schödler.

**Lathonura.**

- 858 rectirostris, Müller.

**Macrothrix.**

- 859 laticornis, Jurine.  
 860 rosea, Jurine.  
 861 hirsuticornis, Nor. and Brad.

**Ophryoxus.**

- 862 gracilis, G. O. Sars.

**Acantholeberis.**

- 863 curvirostris, Müller.

**Ilyocryptus.**

- 864 sordidus, Liévin.  
 865 acutifrons, G. O. Sars.  
 866 agilis, Kurz.

**Streblocerus.**

- 867 minutus, G. O. Sars.

**Drepanothrix.**

- 868 dentata, Euren.

**Eurycercus.**

- 869 lamellatus, Müller.

**Camptocercus.**

- 870 macrurus, Müller.  
 871 rectirostris, Schödler.  
 872 Lilljeborgii, Schödler.

**Acroperus.**

- 873 harpa, Baird.  
 874 angustatus, G. O. Sars.

**Alonopsis.**

- 875 elongata, G. O. Sars.  
 876 latissima, Kurz.

**Leydigia.**

- 877 acanthocercoides, Fischer.  
 878 quadrangularis, Leydig.

**Lynceus.**

- 879 quadrangularis, Müller.  
 880 oblongus, P. E. Müller.  
 881 tenuicaudis, G. O. Sars.  
 882 costatus, G. O. Sars.  
 883 guttatus, G. O. Sars.  
 884 lineatus, Fischer.

- 885 sanguineus, P. E. Müller.  
 886 intermedius, G. O. Sars.  
 887 rostratus, Koch.

**Harporhynchus.**

- 888 falcatus, G. O. Sars.

**Graptoleberis.**

- 889 testudinaria, Fischer.

**Alonella.**

- 890 excisa, Schödler.  
 891 exigua, Lilljeborg.  
 892 nana, Baird.

**Peracantha.**

- 893 truncata, Müller.

**Pleuroxus.**

- 894 trigonellus, Müller.  
 895 lævis, G. O. Sars, = *P. hastatus*,  
 G. O. Sars.  
 896 striatus, Schödler.  
 897 uncinatus, Baird.  
 898 aduncus, Jurine.

**Chydorus.**

- 899 globosus, Baird.  
 900 sphæricus, Müller.  
 901 barbatus, G. S. Brady.  
 902 latus, G. O. Sars.  
 903 cælatus, Schödler.  
 904 piger, G. O. Sars.  
 905 ovalis, Kurz.

**Anchistropus.**

- 906 emarginatus, G. O. Sars.

**Monospilus.**

- 907 tenuirostris, Fischer.

**Polyphemus.**

- 908 pediculus, De Geer.

**Bythotrephes.**

- 909 longimanus, Lilljeborg.

**Podon.**

- 910 intermedius, Lilljeborg.  
 911 polyphemoides, Leuckart.  
 912 minutus, G. O. Sars.

**Evadne.**

- 913 Nördmanni, Lovén.  
 914 spinifera, P. E. Müller.

**Leptodora.**

- 915 hyalina, Lilljeborg.

## Order XIII.—Branchiura.

## Argulus.

- 916 foliaceus, Lin.  
 917 coregoni, Thorell.  
 918 laticauda, Smith.

## Order XIV.—Ostracoda.

## Cypris.

- 919 fuscata, Jurine.  
 920 incongruens, Rambohr.  
 921 virens, Jurine.  
     (a) var: ventricosa, B. and R.  
 922 obliqua, Brady.  
 923 affinis, Fischer.  
 924 ornata, Müller.  
 925 tumefacta, B. and R.  
 926 compressa, Baird.  
 927 pubera, Müller, = C. punctillata,  
     Norman.  
 928 bispinosa, Lucas.  
 929 hirsuta, Fischer.  
 930 tessellata, Fischer.  
 931 dromedarius, Fischer.  
 932 fasciata, Müller.  
 933 strigata, Müller.  
 934 reptans, Baird.  
 935 prasina, Fischer.  
 936 salina, Brady.  
 937 gibba, Rambohr.  
 938 exsculpta, Fischer, = C. striolata,  
     Brady.  
 939 cinerea, Brady.  
 940 lævis, Müller.  
 941 ovum, Jurine.  
 942 serrata, Norman, = C. serrulata,  
     G. O. Sars.  
 943 trigonella, Brady.  
 944 olivacea, n. sp.

## Cypridopsis.

- 945 vidua, Müller, = C. obesa, B. and R.  
 946 Newtoni, Bra. and Rob.  
 947 villosa, Jurine.  
 948 aculeata, Lilljeborg.

## Potamocypris.

- 949 fulva, Brady.

## Aglaja.

- 950 complanata, B. and R.

## Cyprois.

- 951 dispar, Fischer.

## Notodramas.

- 952 monachus, Müller.

## Paracypris.

- 953 polita, G. O. Sars.

## Candona.

- 954 albicans, Brady.  
 955 lactea, Baird.  
 956 compressa, Koch.  
 957 candida, Müller.  
 958 detecta, Müller.  
 959 similis, Baird.  
 960 fabaeformis, Fischer, = diaphana,  
     B. and R.  
 961 Kingsleei, B. and R.  
 962 exserta, Fischer.

## Argillæcia.

- 963 cylindrica, G. O. Sars.  
 964 angusta, Brady.

## Pontocypris.

- 965 mytiloides, Norman.  
 966 hispida, G. O. Sars.  
 967 acupunctata, Brady.  
 968 trigonella, G. O. Sars.

## Bairdia.

- 969 inflata, Norman.  
 970 acanthigera, Brady.  
 971 obtusata, G. O. Sars.  
 972 complanata, Brady.  
 973 Crosskeyana, Brady.  
 974 formosa, Brady.

## Macrocypris.

- 975 minna, Baird.  
 976 angusta, G. O. Sars.

## Loxoconcha.

- 977 impressa, Baird.  
 978 viridis, Müller, = L. elliptica, Brady.  
 979 granulosa, G. O. Sars.  
 980 fragilis, G. O. Sars.  
 981 guttata, Norman.  
 982 tamarindus, Jones.  
 983 multifora, Norman.  
 984 pusilla, B. and R.

## Xestoleberis.

- 985 aurantia, Baird.  
 986 depressa, G. O. Sars.  
 987 labiata, B. and R.

## Cytherura.

- 988 nigrescens, Baird.  
 989 cuneata, Brady, = C. flavescens,  
     Brady, fem,



**Cytherura.**—continued.

- 990 angulata, Brady, = *C. insolita*, Brady,  
(monstrous).  
991 producta, Brady.  
992 striata, G. O. Sars, = *C. quadrata*,  
Norman, fem.  
993 lineata, Brady.  
994 Sarsii, Brady.  
995 simplex, Brady.  
996 similis, G. O. Sars.  
997 gibba, Müller, = *C. Robertsoni*,  
Brady.  
998 cornuta, Brady, = *C. gibba*, Brady,  
(non Müller).  
999 acuticostata, G. O. Sars.  
1000 fulva, B. and R.  
1001 pumila, B. C. and R.  
1002 concentrica, B. C. and R.  
1003 propinqua, B. and R.  
1004 undata, G. O. Sars.  
1005 clathrata, G. O. Sars.  
1006 cellulosa, Norman.  
1007 affinis, G. O. Sars.

**Cytheropteron.**

- 1008 latissimum, Norman.  
1009 nodosum, Brady.  
1010 pyramidale, Brady.  
1011 inflatum, B. C. and R.  
1012 subcircinatum, G. O. Sars.  
1013 punctatum, Brady.  
1014 alatum, G. O. Sars, = *C. inornatum*,  
Brady (junior).  
1015 angulatum, B. and R.  
1016 rectum, Brady.  
1017 mucronulatum, Brady.

**Pseudocythere.**

- 1018 caudata, G. O. Sars.

**Bythocythere.**

- 1019 simplex, Norman.  
1020 constricta, G. O. Sars.  
1021 turgida, G. O. Sars.  
1022 dromedarius, G. O. Sars.

**Cytherideis.**

- 1023 subulata, Brady.  
1024 foveolata, Brady,

**Sclerochilus.**

- 1025 contortus, Norman.

**Xiphichilus.**

- 1026 tenuissimus, Norman.

**Paradoxostoma.**

- 1027 variabile, Baird.  
1028 abbreviatum, G. O. Sars.  
1029 ensiforme, Brady.  
1030 Normani, Brady.  
1031 pulchellum, G. O. Sars.  
1032 Fischeri, G. O. Sars.  
1033 obliquum, G. O. Sars.  
1034 orchadense, B. and R.  
1035 hibernicum, Brady.  
1036 sarniense, Brady.  
1037 flexuosum, Brady.  
1038 tenerum, Brady.  
1039 arcuatum, Brady.

**Darwinella.**

- 1040 Stevensoni, B. and R.

**Metacypris.**

- 1041 cordata, B. and R.

**Cythere.**

- 1042 lutea, Müller.  
1043 cyamos, Norman, = *C. viridis*, Brady  
(non Müller).  
1044 pellucida, Baird.  
1045 castanea, G. O. Sars.  
1046 porcellanea, Brady.  
1047 macallana, B. and R.  
1048 tenera, Brady.  
1049 crispata, Brady.  
1050 badia, Norman.  
1051 gibbosa, B. and R.  
1052 Robertsoni, Brady.  
1053 oblonga, Brady.  
1054 rubida, Brady.  
1055 pulchella, Brady.  
1056 villosa, G. O. Sars.  
1057 fuscata, Brady.  
1058 convexa, Baird.  
1059 albomaculata, Baird.  
1060 leioderma, Norman.  
1061 cuneiformis, Brady.  
1062 navicula, Norman, = *Cytherura*  
navicula, Norman, = *Cythere*  
fidicula, B. and R.  
1063 limicola, Norman.  
1064 globulifera, Brady.  
1065 tuberculata, G. O. Sars.  
1066 concinna, Jones.  
1067 borealis, Brady.  
1068 angulata, G. O. Sars.  
1069 emarginata, G. O. Sars.

**Cythere.**—continued.

- 1070 finmarchica, G. O. Sars.  
 1071 abyssicola, G. O. Sars.  
 1072 crenulata, G. O. Sars.  
 1073 costata, Brady.  
 1074 marginata, Norman, = *C. laticarina*,  
     Brady.  
 1075 dubia, Brady.  
 1076 quadridentata, Baird.  
 1077 emaciata, Brady.  
 1078 Stimpsoni, Brady.  
 1079 mirabilis, Brady.  
 1080 mucronata, G. O. Sars.  
 1081 dunelmensis, Norman.  
 1082 Whitei, Baird.  
 1083 antiquata, Baird.  
 1084 Jonesii, Baird.  
 1085 acerosa, Brady.  
 1086 semipunctata, Brady.  
 1087 echinata, G. O. Sars.  
 1088 canadensis, Brady.  
 1089 irpex, Brady.  
 1090 dasyderma, Brady.  
 1091 acanthoderma, Brady.

**Limnocythere.**

- 1092 inopinata, Brady.  
 1093 relictæ, Lilljeborg.  
 1094 monstifica, Norman.  
 1095 Sancti-Patricii, B. and R.

**Cytheridea.**

- 1096 elongata, Brady.  
 1097 cornea, B. and R.  
 1098 papillosa, Bosquet.  
 1099 punctillata, Brady.  
 1100 torosa, Jones.

(a) var : lævis

- 1101 lacustris, G. O. Sars.  
 1102 zetlandica, Brady.  
 1103 subflavescens, Brady.

**Eucythere.**

- 1104 declivis, Norman.  
     (a) var : argus, G. O. Sars.  
     (b) var : anglica, Brady.

**Krithe.**

- 1105 bartonensis, Jones.  
 1106 producta, Brady.  
 1107 glacialis, B. and R.

**Cypridina.**

- 1108 norvegica, Baird.  
 1109 mediterranea, Costa.

**Bradycinetus.**

- 1110 Brenda, Baird.  
 1111 Macandrei, Baird.  
 1112 Lilljeborgii, G. O. Sars.

**Philomedes.**

- 1113 interpuncta, Baird.  
 1114 Folini, Brady.

**Asterope.**

- 1115 Mariæ, Baird.  
 1116 teres, Norman.

**Halocypris.**

- 1117 obtusata, G. O. Sars.

**Conchœcia.**

- 1118 borealis, G. O. Sars.

**Sarsiella.**

- 1119 capsula, Norman.

**Polycope.**

- 1120 orbicularis, G. O. Sars.  
 1121 compressa, B. and R.  
 1122 dentata, Brady.

**Cytherella.**

- 1123 scotica, Brady.  
 1124 abyssorum, G. O. Sars.

**Order XV.—Copepoda.****Euchæta.**

- 1125 norvegica, Boeck.

**Calanus.**

- 1126 finmarchicus, Gunner.

**Pleuromma.**

- 1127 armatum, Boeck, = *Metridia*  
     armata, Brady.

**Calanella.**

- 1128 mediterranea, Claus.

**Paracalanus.**

- 1129 parvus, Claus.

**Clausia.**

- 1130 elongata, Boeck, = *Pseudocalanus*  
     elongatus, Brady.  
 1131 armata, Boeck.

**Limnocalanus.**

- 1132 macrurus, G. O. Sars.

**Hetercope.**

- 1133 appendiculata, G. O. Sars.  
 1134 alpina, G. O. Sars.  
 1135 saliens, Lilljeborg.



**Dias.**

- 1136 longiremis, Lilljeborg.  
 1137 bifilosus, Giesbrecht.  
 1138 discandatus, Giesbrecht.  
 1139 Mossi, Norman.

**Temorella.**

- 1140 velox, Lilljeborg.  
 1141 Clausii, Hoek.  
 1142 hirundo, Giesbrecht.

**Temora.**

- 1143 longicaudata, Lubbock, = T.  
 longicornis, Brady.

**Diaptomus.**

- 1144 castor, Jurine.  
 1145 gracilis, G. O. Sars.  
 1146 laticeps, G. O. Sars.  
 1147 cæruleus, S. Fischer.

**Centropages.**

- 1148 typicus, Kröyer.  
 1149 hamatus, Lilljeborg.

**Parapontella.**

- 1150 brevicornis, Lilljeborg.

**Isias.**

- 1151 clavipes, Boeck.

**Anomalocera.**

- 1152 Patersonii, Templeton.

**Cervinia.**

- 1153 Bradyi, Norman.

**Oithina.**

- 1154 spinirostris, Claus.

**Cyclopina.**

- 1155 gracilis, Claus.

**Thorellia.**

- 1156 brunnea, Boeck.  
 1157 pallida, Norman.

**Cyclops.**

- 1158 signatus, Claus.  
 1159 tenuicornis, Claus.  
 1160 strenuus, Fischer.  
 1161 gigas, Claus.  
 1162 pulchellus, Koch.  
 1163 vicinus, Uljanin, = C. pulchellus,  
 Brady.  
 1164 annulicornis, Koch.  
 1165 Leuckartii, Claus.  
 1166 oithinoides, G. O. Sars.  
 1167 scutifer, G. O. Sars.  
 1168 abyssorum, G. O. Sars.  
 1169 lacustris, G. O. Sars.  
 1170 viridis, Fischer.

- 1171 robustus, G. O. Sars.  
 1172 lucidulus (Koch), G. O. Sars.  
 1173 bisetosus, Rehberg.  
 1174 crassus, Fischer.  
 1175 languidus, G. O. Sars.  
 1176 insignis, Claus.  
 1177 Lubbockii, Brady.  
 1178 serrulatus, Fischer.  
 1179 macrurus, G. O. Sars.  
 1180 capillatus, G. O. Sars.  
 1181 crassicaudis, G. O. Sars.  
 1182 varicans, G. O. Sars.  
 1183 diaphanus, Fischer.  
 1184 affinis, G. O. Sars.  
 1185 gracilis, Lilljeborg.  
 1186 Kaufmanni, Uljanin.  
 1187 phaleratus, Koch.  
 1188 fimbriatus, Fischer.  
 1189 æquoreus, Fischer.

**Notodelphys.**

- 1190 Allmanni, Thorell.  
 1191 cærulea, Thorell.  
 1192 agilis, Thorell.  
 1193 prasina, Thorell.

**Doropygus.**

- 1194 pulex, Thorell.  
 1195 Normani, Brady.  
 1196 gibber, Thorell.  
 1197 porcicauda, Brady.

**Notopterothorus.**

- 1198 papilio, Hesse.  
 1199 elatus, Costa.  
 1200 elongatus, Costa.

**Botachus.**

- 1201 cylindratus, Thorell.

**Ascidicola.**

- 1202 rosea, Thorell.

**Ectinosoma.**

- 1203 spinipes, Brady.  
 1204 melaniceps, Boeck.

**Longipedia.**

- 1205 coronata, Claus.

**Zosime.**

- 1206 typica, Boeck.

**Tachidius.**

- 1207 brevicornis, Müller.

**Euterpe.**

- 1208 gracilis, Claus.

**Amymone.**

- 1209 sphaerica, Claus.

**Stenhelia.**

- 1210 hispida, Brady.

**Canthocamptus.**

- 1211 minutus, Müller.  
 1212 hibernicus, Brady.  
 1213 palustris, Brady.  
 1214 pygmæus, G. O. Sars.  
 1215 Lilljeborgii, Boeck.  
 1216 crassus, G. O. Sars.  
 1217 lucidulus, Rehberg.

**Mesochra.**

- 1218 Lilljeborgii, Boeck.

**Diosaccus.**

- 1219 tenuicornis, Claus.

**Laophonte.**

- 1220 serrata, Claus.  
 1221 horrida, Norman.  
 1222 thoracica, Boeck.  
 1223 similis, Claus.  
 1224 forcipata, Claus.  
 1225 curticauda, Boeck.  
 1226 longicauda, Boeck.  
 1227 lamellifera, Claus.

**Cletodes.**

- 1228 propinqua, B. and R.

**Dactylopus.**

- 1229 tisburyoides, Claus.  
 1230 Strömii, Baird.  
 1231 flavus, Claus.  
 1232 brevicornis, Claus.

**Thalestris.**

- 1233 mysis, Claus.  
 1234 helgolandica, Claus.  
 1235 rufocincta, Norman.  
 1236 harpacticoides, Claus.  
 1237 Clausii, Norman.  
 1238 rufoviolsens, Claus.  
 1239 hibernica, B and R.  
 1240 longimana, Claus.  
 1241 Cronii, Kröyer, = Harpacticus  
 Cronii, Kröyer.

**Westwoodia.**

- 1242 nobilis, Baird.

**Harpacticus.**

- 1243 chelifer, Müller.  
 1244 fulvus, Fischer.

**Zaus.**

- 1245 spinatus, Goodsir.  
 1246 Goodsiri, Brady.

**Peltidium.**

- 1247 purpurocinctum, Norman.  
 1248 depressum, Baird, = A. interruptum,  
 Goodsir.  
 1249 typicum, Czern, = P. crenulatum,  
 Brady.

**Porcellidium.**

- 1250 fimbriatum, Claus.  
 1251 viride, Philippi.  
 1252 subrotundum, Norman.

**Idya.**

- 1253 furcata, Baird.  
 1254 palæocrystica, Norman.

**Scutellidium.**

- 1255 fasciatum, Boeck.

**Antaria.**

- 1256 mediterranea, Claus.

**Corycaeus.**

- 1257 typicus, Kröyer.

**Sapphirina.**

- 1258 fulgens, Tilesius.

**Lichomolgus.]**

- 1259 furcillatus, Thorell.  
 1260 pteroidis, D. Valle.  
 1261 forficula, Thorell.

**Sabelliphilus.**

- 1262 Sarsii, Claparede.

**Anthessius.**

- 1263 solecurti, Valle.

**Eolidicola.**

- 1264 tenax, M. Sars.

**Cyclopocera.**

- 1265 echinicola, Norman.  
 1266 nigripes, B. and R.

**Artotrogus.**

- 1267 magniceps, Brady.  
 1268 Normani, Brady.

**Dyspontius.**

- 1269 striatus, Thorell.

**Enterocola.**

- 1270 eruca, Norman.

**Nicothoe.**

- 1271 astaci, M. Edw.

**Splanchnotrophus.**

- 1272 gracilis, Norman and Hancock.

**Chondracanthus.**

- 1273 zei, Delaroche.  
 1274 merluccii, Holten, = C. xiphiae, Cuv.  
 1275 nodosus, Müller.



**Chondracanthus.**—continued.

- 1276 Dufresnii, Blainv. = *C. gibbosus*,  
Kröyer.  
1277 cornutus, Müller.  
1278 soleæ, Kröyer.  
1279 gurnardi, Kröyer, = *C. lophii*,  
Johnston.

**Diocus.**

- 1280 gobinus, Fabr.

**Lernæopoda.**

- 1281 elongata, Grant.  
1282 carpionis, Kröyer.  
1283 salmonea, Lin.  
1284 Edwardsii, Olsson.  
1285 galei, Kröyer.

**Charopinus.**

- 1286 Dalmanni, Retzius.

**Achtheres.**

- 1287 percarum, Nordmann.

**Tracheliastes.**

- 1288 polycolpus, Nordmann.

**Brachiella.**

- 1289 rostrata, Kröyer.  
1290 thynni, Cuvier.  
1291 impudica, Nordmann.  
1292 bispinosa, Nordmann.

**Anchorella.**

- 1293 uncinata, Müller.  
1294 rugosa, Kröyer.

**Lesteira.**

- 1295 lumpi, Kröyer.

**Lernæocera.**

- 1296 esocina, Burmeister.

**Caligus.**

- 1297 curtus, Müller.  
1298 rapax, M. Edw.  
1299 centrodonti, Baird.  
1300 minimus, Otto.

**Lepeophtheirus.**

- 1301 Nordmanni, M. Edw.  
1302 hippoglossi, Kröyer.  
1303 pectoralis, Müller.  
1304 Thompsoni, Baird.  
1305 branchialis, Malm.  
1306 salmonis, Kröyer.

**Trebius.**

- 1307 caudatus, Kröyer.

**Euryphorus.**

- 1308 nympha, St. and Lüt.

**Denematura.**

- 1309 ferox, Kröyer.  
1310 producta, Müller.  
1311 serrata, Kröyer.

**Elytrophora.**

- 1312 brachyptera, Gerstaecker.

**Echthrogaleus.**

- 1313 coleopratus, Guérin.

**Nogagus.**

- 1314 Lütkeni, Norman.  
1315 angustatus, Gerstaecker.

**Pandarus.**

- 1316 bicolor, Leach.

**Phyllophora.**

- 1317 cornuta, M. Edw.

**Læmargus.**

- 1318 muricatus, Kröyer.

**Cecrops.**

- 1319 Latreillii, Leach.

**Dichelestium.**

- 1320 sturionis, Hermann.

**Lamproglæna.**

- 1321 pulchella, Nordmann.

**Nemesis.**

- 1322 lamnæ, Risso.

**Peniculus.**

- 1323 fistula, Nordmann.

**Lernæanicus.**

- 1324 sprattæ, Sowerby.

**Hæmobaphes.**

- 1325 cyclopterina, Fabr.

**Lernæa.**

- 1326 branchialis, Lin.

**Pennella.**

- 1327 orthagorisci, P. Wright.  
1328 filosa, Cuv.

**Order XVI.—Cirripedia.****Pollicipes.**

- 1329 cornucopia, Leach.

**Scalpellum.**

- 1330 vulgare, Leach.  
1331 Strömii, G. O. Sars.  
1332 angustum, G. O. Sars, = *S. nymphocola*, Hoek.

**Alepas.**

- 1333 minuta, Philippi.

**Conchoderma.**

- 1334 auritum, Lin.  
 1335 virgatum, Spengler.  
 1336 gracile, Heller.

**Dichelaspis.**

- 1337 Darwinii, Fil.

**Lepas.**

- 1338 anatifera, Lin.  
 1339 ansiferina, Lin.  
 1340 pectinata, Spengler.  
 1341 fascicularis, Ellis and Sol.

**Alcippe.**

- 1342 lampas, Hancock.

**Verruca.**

- 1343 Strömia, Müller.

**Chthamalus.**

- 1344 stellatus, Poli.

**Xenobalanus.**

- 1345 globicipitis, Steenstrup.

**Tubicinella.**

- 1346 trachealis, Shaw.

**Coronula.**

- 1347 diadema, Lin.

**Pyrgoma.**

- 1348 anglicum, G. B. Sow.

**Acasta.**

- 1349 spongites, Poli.

**Balanus.**

- 1350 tintinnabulum, Lin.  
 1351 perforatus, Bruz.  
 1352 porcatus, Costa.  
 1353 crenatus, Bruz.  
 1354 balanoides, Lin.  
 1355 Hameri, Ascan.

**Clistosaccus.**

- 1356 paguri, Lillj.

**Peltogaster.**

- 1357 paguri, Rathke.  
 1358 sulcatus, Lillj.  
 1359 socialis, Müll.

**Lernæodiscus.**

- 1360 subterraneus, Kossman.

**Sacculina.**

- 1361 carcini, Thomp.  
 1362 triangularis, Anderson.

**Sylon.**

- 1363 hippolytes, Kröyer.









# MUSEUM NORMANIANUM,

OR

## A Catalogue of the Invertebrata

OF

The Arctic and North Atlantic Temperate Ocean and  
Palæarctic Region,

WHICH ARE CONTAINED IN THE COLLECTION OF THE

REV. CANON A. M. NORMAN,

M.A., D.C.L., LL.D., F.R.S., F.L.S., &c.

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### III. CRUSTACEA.

SECOND EDITION.

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DURHAM:

THOS. CALDCLEUGH & SON, PRINTERS, 45, SADDLER STREET.

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## PREFACE.

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The collection, of which this is a Catalogue, is restricted to the Northern Arctic and Temperate Fauna.

The area included embraces the Arctic and the North Atlantic Oceans as far South as lat.  $35^{\circ}$  N., or to a line from Cape Hatteras, in America, to a point just South of the Strait of Gibraltar. The whole of the Mediterranean is included. On land it embraces Greenland, Europe, and Asia, the last continent as far South, roughly speaking, as lat.  $38^{\circ}$  N.; but the Manchurian Province and all Asia East of Lake Baikal is excluded. There are added the Azores and the countries bordering on the South and East shores of the Mediterranean. In fact it is the Palæarctic Region of A. R. Wallace without the regions just indicated by latitude and name.

At the same time I have collected a little at Madeira, where the Marine Fauna is interestingly illustrative of the Southern distribution of many of our species, and thence were procured a few other species which are entered here but are made known by the letter M after the specific name. Similarly, being interested in circumpolar distribution, a few species have been obtained from the North Pacific, and these may be known by the letter P placed after the specific name.

I have here, for the first time in these Catalogues, distinguished the species of which either the actual types or specimens named by the describer are in my collection, by placing an (\*) before the name.

This Catalogue, as far as p. 33, was printed three years ago, but the finding and receiving from others such large additions to my Crustacea led to the printing of the concluding part being delayed until the present time. This accounts for the "Addenda" given of species in Orders I—XV, obtained since the beginning of 1902.

The Catalogue is of sufficient extent, I trust, to be of use, when interleaved, to Museums and private collectors for marking their own collection, or inserting in MS. on the interleaved pages such species as they may possess from the same area, but which are not named here.

In the *Preparatory Notes* of the first edition of this Catalogue, published in 1886, tables were given to supply the number of species described in H. Milne Edwards's *Histoire des Crustacés*, 1834—40, as known to him from the whole world, and also of those then known from the restricted area of my own collection. In a third column was shown the number of species described up to 1886 from the restricted area; while a fourth gave the number of forms at that time in my collection. These columns are reproduced below; and two others have been added enumerating, first, the species now known, and, secondly, those now in my collection. The column which gives the number of species described up to the present time cannot be absolutely accurate, since some such species must have escaped my notice; nor is the number as large as it might have been made, because many forms, which have been so imperfectly described that it is to be feared they can never be recognized, have been altogether omitted; among these are a considerable portion of the Crustacea described by the late M. Hesse.

The growth of our knowledge of the Crustacean Fauna during the last nineteen years has been simply astounding. In 1886 I wrote—and I felt that I was bold in doing so—"I venture to prophesy that, when the Crustacean Fauna of the Arctic and Temperate Regions shall have been thoroughly investigated, it will hereafter be found to embrace not less than 5000 species." Now at the expiration of only nineteen years the number of known species has actually risen from 3,209 to 5,435!

I wrote then as an argument for what might seem to others to be a presumptuous prophecy, that "we know little of the Amphipoda of the Western Atlantic and nothing of the free living Copepoda and other smaller Crustacea of that district, and very little of those of some other parts of the area." At the present moment, notwithstanding the vast recent additions to the Fauna, that statement is as true as it was then, for the discoveries which have been made have been for the most part from the depths and surface of the ocean, and from those portions of sea and land which had previously been the most efficiently investigated. Moreover, as yet we know very little of the Harpactoida and other groups of smaller Crustacea of the Southern portions of the area, including the Mediterranean and Azores, while depths from fifty fathoms down to the great abyss of the ocean still hide a Crustacean wealth of small species, the existence of which we are only just beginning to realize.



	Total Crustacea described from the World in Milne Edwards's "Histoire des Crustacés," 1834-1840.	Species in Milne Edwards from the area of this Catalogue.	Species described from the same area in 1886.	Species described from the same area, August, 1905.	Species from the same area in the collection of A.M.N. in 1886.	Species from the same area in the collection of A.M.N. August, 1905.
Brachyura ... ..	321	72	169	208	100	110
Anomura ... ..	82	22	87	114	39	60
Macrura and Carida ...	191	75	216	269	99	119
Schizopoda ... ..	24	12	102	164	58	76
Stomatopoda ... ..	34	5	8	8	4	5
Sympoda = Cumacea ...	1	1	100	131	66	92
Isopoda ... ..	204	102	406	875	161	400
Amphipoda ... ..	130	95	663	1020	272	622
Xyphosura ... ..	5	1	1	1	1	1
Phyllocarida ... ..	1	1	2	2	1	2
Phyllopoda ... ..	12	11	26	58	14	32
Cladocera ... ..	27	27	168	216	95	132
Branchiura ... ..	2	2	9	9	3	3
Ostracoda ... ..	44	41	369	639	202	315
Copepoda ... ..	104	83	810	1584	204	649
Cirripedia ... ..	...	...	73	137	35	42
	1182	550	3209	5435	1354	2660
Species from Madeira (M) or North Pacific (P)...	...	...	...	...	0	41
Named varieties ... ..	...	...	...	...	9	107
THE RED HOUSE, BERKHAMSTED, HERTS,					1363	2808

A. M. NORMAN.

SEPTEMBER 1ST, 1905.

## CORRIGENDA.

## NUMBER.

- 128 *for* Cymopolia, Roux, *read* Palicus, Philippi.
- 139 *for* emerita *read* eremita.
- 250 *for* megacheles *read* macrocheles.
- 364 *for* Macropsis, G. O. Sars., *read* Mesopodopsis, Czerniavsky.
- 378 *for* Mesomysis, n.g., *read* Michtheimysis, Norman.
- 392 *for* Cuma, H. Milne Edwards = *read* Bodotria, Bate.
- 452 *for* Diastylopsis, G. O. Sars., *read* Diastylopsis, S. I. Smith.
- 563 *del* = \* E. polydendrica, Nor. and Stebb. M.S.
- 1517 *for* Simocephalus, Schoedler, *read* Simosa, Norman.
- 1592 *for* Leptorynchus, Herrich, *read* Rhynchotalona, Norman.



# MUSEUM NORMANIANUM.

## III.—CRUSTACEA.

(SECOND EDITION).

### Order I.—BRACHYURA.

#### Grapsus, Lamarck.

- 1 strigosus, Herbst.

#### Pachygrapsus, Randall.

- 2 marmoratus, Fabr.  
3 crassipes, Randall, P.  
4 maurus, Lucas.

#### Nautilograpsus, H. Milne Edwards.

- 5 minutus, Fabr.

#### Euchirograpsus, H. Milne Edwards.

- 6 liguricus, H. M. Edw.

#### Heterograpsus, Lucas.

- 7 Lucasi, H. M. Edw.  
8 oregonicus, Stimpson, P.  
9 nudus, Stimpson, P.

#### Sesarma, Say.

- 10 reticulata, Say.

#### Plagusia, Latreille.

- 11 depressa (Fabr.), Say.

#### Leiolophus, Miers.

- 12 planissimus, Herbst, M.

#### Gelasimus, Latreille.

- 13 tangieri, Eydoux.  
14 minax, Leconte.  
15 vocator, Herbst.  
16 pugilator, Latr.

#### Ocypoda, Fabricius.

- 17 quadrata, Fab.

#### Gonoplax, Leach.

- 18 angulata, Fabr.  
19 rhomboides, Roux.

#### Geryon, Kröyer.

- 20 tridens, Kröyer.  
21 longipes, A. M. Edw.  
22 \*quinquedens, S. J. Smith.

#### Pinnotheres, Latreille.

- 23 pisum, Penn.  
24 veterum, Bosc.  
25 ostreum, Say.  
26 maculatus, Say.

#### Pinnixa, A. White.

- 27 Sayana, Stimpson.  
28 chætopterana, Say.

#### Thelphusa, Latreille.

- 29 fluviatilis, Belon.

#### Corystes, Latreille.

- 30 cassivelaunus, Herbst.

#### Atelecyclus, Leach.

- 31 septemdentatus, Mont.

#### Telmessus, White.

- 32 cheiragonus, Tilesius, P.

#### Thia, Leach.

- 33 polita, Leach.

#### Polybius, Leach.

- 34 Henslowii, Leach.

#### Platyonichus, De Haan.

- 35 latipes, Pennant.  
36 nasutus, Latreille.  
37 ocellatus, Latreille.

#### Carcinus, Leach.

- 38 mænas, Baster.

#### Portunus, Fabricius.

- 39 puber, Linné.  
40 depurator, Linné.  
41 holsatus, Fabricius.  
42 marmoreus, Leach.  
43 arcuatus, Leach.  
44 pusillus, Leach.  
45 corrugatus, Pennant.  
46 tuberculatus, Roux.

- Bathynectes, Stimpson.**  
 47 longipes, Risso.  
 48 superba, O. G. Costa.  
     = *B. longispina*, Stimpson.  
     = *Thranites velox*, Bovallius.

**Lupa, Latreille.**

- 49 hastata, H. M. Edw.

**Callinectes, Stimpson.**

- 50 diacanthus, Latreille.

**Neptunus, De Haan.**

- 51 Sayi, Stimpson.

**Panopæus, H. M. Edwards.**

- 52 Herbstii, H. M. Edw.  
 53 \*depressus, J. S. Smith.  
 54 \*Sayi, J. S. Smith.  
 55 texanus, Stimpson.

**Eriphia, Latreille.**

- 56 spinifrons, Herbst.

**Pilumnus, Leach.**

- 57 hirtellus, Pennant.  
 58 spinifer, H. M. Edw.  
 59 tridentatus, Maitland.

**Xantho, Leach.**

- 60 floridus, Montagu.  
 61 rivulosus, Risso.  
 62 tuberculatus, Bell.

**Perimela, Leach.**

- 63 denticulata, Montagu.

**Paragalene, Kossman.**

- 64 longicrura, Nardo.

**Cancer, Linné.**

- 65 pagurus, Linné.  
 66 irroratus, Say.  
 67 borealis, Stimpson.  
 68 Bellianus, J. Y. Johnson.  
 69 magister, Dana, P.  
 70 productus, Randall, P.  
 71 antennarius, Stimpson, P.

**Trichocarcinus, Miers.**

- 72 oregonensis, Miers, P.

**Heterocrypta, Stimpson.**

- 73 Maltzani, Miers.  
     = *H. Marionis*, A. M. Edw.

**Lambrus, Leach.**

- 74 mediterraneus, Roux.  
 75 angulifrons, Latreille.  
 76 massena, Roux.  
 77 \*Verrilli, J. S. Smith.  
**Lissa, Leach.**  
 78 chiragra, Herbst.

**Libinia, Leach.**

- 79 emarginata, Leach.  
 80 dubia, M. Edw.

**Pelia, Bell.**

- 81 mutica, Stimpson.

**Eurynome, Leach.**

- 82 aspera, Pennant.

**Pisa, Leach.**

- 83 tetraodon, Pennant.  
 84 biaculeata, Montagu.  
 85 nodipes, Leach.  
 86 corallina, Risso.

**Maia, Lamarck.**

- 87 squinado, Rondelet.  
 88 verrucosa, H. M. Edw.

**Herbstia, H. M. Edwards.**

- 89 condyliata, H. M. Edw.

**Chionæcetes, Krøyer.**

- 90 phalangium, Fabricius.

**Hyas, Leach.**

- 91 araneus, Linné.  
 92 coarctatus, Leach.  
 93 var. latifrons, Stimpson, P.  
 94 lyratus, Dana, P.

**Acanthonyx, Latreille.**

- 95 lunulatus, Risso.

**Epialtus, H. Milne Edwards.**

- 96 productus, Randall, P.

**Pugettia, Dana.**

- 97 gracilis, Dana, P.  
     = *P. Lordi*, Bate.

**Anamathia, S. J. Smith.**

- 98 Risoana, Roux.  
 99 \*Agassizii, S. J. Smith.

**Oregonia, Dana.**

- 100 gracilis, Dana, P.

**Euprognatha, Stimpson.**

- 101 rastellifera, Stimpson.

**Ergasticus, A. M. Edwards.**

- 102 Clouei, A. M. Edw.

**Collodes, Stimpson.**

- 103 \*robustus, S. J. Smith.  
 104 depressus, A. M. Edw.

**Scyramathia, A. M. Edwards.**

- 105 \*Carpenteri, Norman.

**Lispognathus, A. M. Edwards.**

- 106 \*Thomsoni, Norman.

**Inachus, Fabricius.**

- 107 dorsettensis, Pennant.  
 108 thoracicus, Roux.



**Inachus, Fabricius.**—continued.

- 109 dorchynchus, Leach.  
 110 leptochirus, Leach.  
 111 mauritanicus, Lucas.

**Achæus, Leach.**

- 112 Cranchii, Leach.

**Stenorhynchus, Lamarck.**

- 113 rostratus, Linné.  
 114 longirostris, Fabricius.  
 115 ægyptius, H. M. Edw.

**Acanthocarpus, Stimpson.**

- 116 Alexandri, Stimpson.

**Calappa, Fabricius.**

- 117 granulata, Fabricius.  
 118 marmorata, Fabricius.

**Ebalia, Leach.**

- 119 tuberosa, Leach.  
 120 tumefacta, Pennant.  
 121 Cranchii, Leach.  
 122 costæ, Heller.  
 123 \*nux, Norman.

**Ilia, Fabricius.**

- 124 nucleus, Herbst.

**Order II.—ANOMURA.****Dorippe, Fabricius.**

- 125 lanata, Bosc.

**Ethusa, Roux.**

- 126 mascarone, Roux.

**Cymonomus, A. M. Edwards.**

- 127 \*granulatus, Norman.

**Cymopolia, Roux.**

- 128 Caronii, Roux.

**Homala, Leach.**

- 129 barbata, Herbst.  
 130 Cuvieri, Roux.

**Dromia, Fabricius.**

- 131 vulgaris, H. M. Edw.

**Dicranodromia, A. M. Edwards.**

- 132 Mahieuxii, A. M. Edw.

**Latreillia, Roux.**

- 133 elegans, Roux.

**Lithodes, Latreille.**

- 134 maia, Linné.  
 135 camtschaticus, Tilesius, P.

**Leptolithodes, Benedict.**

- 136 \*multispina, Benedict, P.

**Echidnocerus, White.**

- 137 foraminatus, Stimpson, P.

**Dermatura, Brandt.**

- 138 Mandtii, Brandt, P.

**Hippa, Fabricius.**

- 139 emerita, Fabricius.  
 = H. talpoides, Say.

**Catapagurus, A. M. Edw.**

- 140 Sharreri, A. M. Edw.  
 = Hemipagurus socialis, Smith.

- 141 \*gracilis, S. J. Smith.

**Diogenes, Dana.**

- 142 varians, Costa.  
 = P. Dilwynii, Bate.

**Clibanarius, Dana.**

- 143 misanthropus, Risso.  
 144 Rouxi, Heller.

**Calcinus, Dana.**

- 144a ornatus, Roux.

**Paguristes, Dana.**

- 145 maculatus, Risso.

**Parapagurus, S. J. Smith.**

- 146 \*pilosimanus, S. J. Smith.  
 = Eupagurus, Jacobi, A. M. Edw.

**Pagurus (Fabr.), Dana.**

- 147 striatus, Latreille.  
 148 callidus, Roux.

**Eupagurus, Brandt.**

- 149 Bernhardus, Fabr.  
 150 \*var. acadianus, Benedict.  
 151 \*var. alaskensis, Benedict, P.  
 152 \*var. aleuticus, Benedict, P.  
 153 ochotensis, Brandt, P.  
 154 Prideauxii, Leach.  
 155 pubescens, Kröyer.  
 156 var. Thompsoni, Bell.  
 157 sculptimanus, Lucas.  
 = P. Forbesii, Bell.  
 158 minimus, Chev. and Bouv.  
 159 angulatus, Risso.  
 160 meticulousus, Roux.  
 = P. tricarinatus, Norman.  
 161 anachoretus, Risso.  
 162 cuanensis, Thompson.  
 163 longicarpus, Stimpson.  
 164 \*politus, S. J. Smith.  
 165 pollicaris, Say.  
 166 timidus, Roux.  
 167 carneus, Pocock.  
 168 \*Tanneri, Benedict, P.  
 169 Kennerlyi, Stimpson, P.  
 170 \*undosus, Benedict, P.

**Eupagurus, Brandt.**—continued.

- 171 trigonocheirus, Stimpson, P.  
 172 splendescens, Owen, P.  
 173 tenuimanus, Dana, P.  
 174 \*capillatus, Benedict, P.  
 175 \*confragosus, Benedict, P.  
 176 \*Rathbuni, Benedict, P.  
 177 \*cornutus, Benedict, P.  
 178 hirsutiusculus, Dana, P.  
 179 \*Gilli, Benedict, P.  
 180 \*Dalli, Benedict, P.  
 181 granosimanus, Stimpson, P.  
**Sympagurus, S. J. Smith.**  
 182 bicristatus, A. M. Edw.  
**Anapagurus, Henderson.**  
 183 Hyndmanni, Thompson.  
 184 lævis, Thompson.  
 185 chiroacanthus, Lilljeborg.  
     = \*P. ferrugineus, Norman.  
 186 bicorniger, A. M. Edw. and Bouvier.  
 187 curvidactylus, Bouvier.

**Porcellana, Lamarck.**

- 188 platycheles, Pennant.  
 189 longicornis, Pennant.

**Galathea, Fabricius.**

- 190 strigosa, Linné.  
 191 squamifera, Leach.  
 192 nexa, Embleton.  
 193 dispersa, Bate.  
 194 \*intermedia, Lilljeborg.  
     = G. Andrewsii, Kinahan.

**Galathodes, A. Milne Edwards.**

- 195 tridentatus, Esmark.

**Anaplonotus, S. J. Smith.**

- 196 \*politus, Smith.

**Uroptychus, Henderson.**

- 197 nitidus, A. M. Edw.  
 198 rubrovittatus, A. M. Edw.

**Munidopsis, Whiteaves.**

- 199 curvirostris, Whiteaves.

**Munida, Leach.**

- 200 rugosa, Fabricius.  
 201 tenuimana, G. O. Sars.  
 202 caribæa, Stimpson.

**Order III.—MACRURA.****Callianassa, Leach.**

- 203 subterranea, Montagu.  
 204 \*Stimpsoni, S. J. Smith.

**Gebia, Leach.**

- 205 stellata, Montagu.  
     = G. littoralis, Risso.  
 206 affinis, Say.

**Axius, Leach.**

- 207 stirhynchus, Leach.  
 208 serratus, Stimpson.

**Naxea, Nardo.**

- 209 nocturna, Nardo.  
     = Calliaxis adriatica, Heller.

**Calocaris, Bell.**

- 210 MacAndrei, Bell.

**Scyllarus, Fabricius.**

- 211 arctus, Fabricius.  
 212 latus, Latreille.

**Palinurus, J. E. Gray.**

- 213 vulgaris, Latreille.

**Homarus, H. M. Edwards.**

- 214 vulgaris, H. M. Edw.  
 215 americanus, H. M. Edw.

**Polycheles, Heller.**

- 216 typhlops, Heller.

**Astacus, Leach.**

- 217 pallipes, Lereboullet.  
 218 fluviatilis, Rondelet.  
 219 leptodactylus, Eschholz.  
 220 torrentium, Schrank.

**Nephrops, Leach.**

- 221 Norvegicus, Linné.

**Nephropsis, Wood Mason.**

- 222 \*atlantica, Norman.

**Order IV.—CARIDA.****Crangon, Fabricius.**

- 223 vulgaris, Linné.  
 224 Allmani, Kinahan.  
 225 spinosus, Leach.  
 226 Norvegicus, M. Sars.  
 227 \*brevirostris, S. J. Smith.  
 228 echinulatus, M. Sars.  
 229 nanus, Krøyer.  
 230 fasciatus, Risso.  
 231 neglectus, G. O. Sars.  
 232 trispinosus, Bell.  
 233 Jacqueti, A. M. Edw.  
 234 sculptus, Bell.  
 235 cataphractus, Olivi.

**Nectocrangon, Brandt**

- 236 lar, Krøyer.



- Sclerocrangon, G. O. Sars.**  
 237 boreas, Kröyer.  
 238 salebrosus, Owen.  
     = *Cheraphilus ferox*, G. O. Sars.  
 239 \**Agassizii*, S. J. Smith.  
**Sabinea, Owen.**  
 240 septemcarinata, Kröyer.  
 241 \**Sarsii*, S. J. Smith.  
 242 \**princeps*, S. J. Smith.  
**Glyptocrangon, A. Milne Edwards.**  
 243 \**sculptus*, S. J. Smith.  
**Nika, Risso.**  
 244 *edulis*, Risso.  
**Gnathophyllum, Latreille.**  
 245 *elegans*, Latreille.  
**Lysmata, Risso.**  
 246 *seticaudata*, Risso.  
**Athanas, Leach.**  
 247 *nitescens*, Leach.  
**Alpheus, Fabricius.**  
 248 *ruber*, H. M. Edw.  
 249 *dentipes*, Guérin.  
 250 *megacheles*, Hailstone.  
     = *A. Edwardsi*, Bate.  
     = *A. affinis*, Guise.  
 251 *Costæ*, Prestandrea.  
     = *A. lævimanus*, Heller.  
**Cryptocheles, G. O. Sars.**  
 252 \**pygmæa*, G. O. Sars.  
**Bythocaris, G. O. Sars.**  
 253 *simplicirostris*, G. O. Sars.  
 254 *Payeri*, Heller.  
**Spirontocaris, Bate.**  
 255 *spinus*, Sowerby.  
 256 \**securifrons*, Norman.  
 257 *macilenta*, Kröyer.  
 258 *Phippsii*, Kröyer.  
     = *turgida*, Kröyer, ♂.  
 259 *groenlandica*, Fabricius.  
 260 *polaris*, Sabine.  
     = *H. cultellata*, Norman.  
     = *H. borealis*, Ross, ♂.  
 261 *Gaimardi*, H. M. Edw.  
     = *H. pandaliformis*, Bell.  
 262 *Cranchii*, Leach.  
     = *H. Yarrellii*, Thompson.  
 263 *pusiola*, Kröyer.  
     = *H. Barleei*, Bate.  
     = *H. Andrewsii*, Kinahan.  
 264 *Fabricii*, Kröyer.

- Spirontocaris, Bate.—continued.**  
 265 *tenuirostratus*, H. M. Edw.  
 266 *microceros*, Kröyer.  
**Hippolyte, Leach.**  
 267 *varians*, Leach.  
 268 var. *fasciger*, Gosse.  
 269 *viridis*, Otto.  
     = *H. Whitei* and  
     *Mitchelli*, Thompson.  
 270 \**producta*, Norman.  
 271 \**gracilis*, Heller.  
 272 *leptocarpus*, Heller.  
 273 \**zostericola*, S. J. Smith.  
 274 *pleuracanthus*, Stimpson.  
**Pandalus, Leach.**  
 275 *narwal*, H. M. Edw.  
 276 *pristis*, Risso.  
 277 *Montagui*, Leach.  
 278 *Bonnieri*, Caullery.  
 279 *propinquus*, G. O. Sars.  
 280 *borealis*, Kröyer.  
 281 \**leptocerus*, S. J. Smith.  
**Pandalina, Calman.**  
 282 *brevirostris*, Rathke.  
     = *H. Thompsoni*, Bell.  
**Latreutes, Stimpson.**  
 283 *ensifer*, H. M. Edw.  
**Caridina, H. M. Edwards.**  
 284 *Desmarestii*, Ioly.  
**Pontonia, Latreille.**  
 285 *tyrrhena*, Risso.  
 286 *phallusiæ*, Marion.  
 287 *flavomaculata*, Heller.  
**Typton, Costa.**  
 288 *spongicola*, Costa.  
**Anchistia, Dana.**  
 289 *scripta*, Risso.  
     = *Dennisia sagittifera*, Norman.  
**Brachycarpus, Bate.**  
 290 *neapolitanus*, Cano.  
**Caridion, Goes.**  
 291 *Gordonii*, Bate.  
**Leander, Desmarest.**  
 292 *serratus*, Pennant.  
 293 *squilla*, Leach.  
 294 monst. *minans*, Norman.  
 295 *Edwardsii*, Heller.  
 296 *xiphias*, Risso.  
 297 *rectirostris*, Zaddach.  
 298 *tenuicornis*, Say.

**Leander, Desmarest. —continued.**

- 299 Treillianus, Risso.  
= P. Leachii, Bell.
- Palæmonetes, Heller.**
- 300 varians, Leach.
- 301 vulgaris, Say.
- Acanthephyra, A. M. Edwards.**
- 302 \*Agassizii, S. J. Smith.
- Nematocarcinus, A. M. Edwards.**
- 303 \*ensifer, S. J. Smith.
- Hymenodora, G. O. Sars.**
- 304 glacialis, Bucholz.
- Parapasiphae, S. J. Smith.**
- 305 \*sulcatifrons, S. J. Smith.
- Pasiphae, Savigny.**
- 306 tarda, Kröyer.
- 307 sivado, H. M. Edw.
- Stenopus, Latreille.**
- 308 spinosus, Risso.
- Sicyonia, H. M. Edwards.**
- 309 carinata, Olivi.
- Penæus, Fabricius.**
- 310 caramote, Risso.
- 311 foliaceus, Risso.
- Solenocera, Lucas.**
- 312 siphonocera, Philippi.  
= S. Philippii, Lucas.
- Parapenæus, S. J. Smith.**
- 313 membranaceus, Risso.  
= P. longirostris, Lucas.
- 314 \*politus, S. J. Smith.
- 315 constrictus, Stimpson.
- Amalopenæus, S. J. Smith.**
- 316 \*elegans, S. J. Smith.
- Sergestes, H. M. Edwards.**
- 317 arcticus, Kröyer.
- 318 Meyeri, Metzger.

**Order V.—SCHIZOPODA.**

- Lophogaster, M. Sars.**
- 319 typicus, M. Sars.  
= \*Ctenomysis alata, Norman.
- Nematoscelis, G. O. Sars.**
- 320 \*borealis, Norman.
- Thysanoessa, T. Brandt.**
- 321 neglecta, Kröyer.  
= Th. borealis, G. O. Sars.
- 322 longicaudata, Kröyer.  
= Th. tenera, G. O. Sars.

**Boreophausia, G. O. Sars.**

- 323 inermis, Kröyer.
- 324 Raschii, M. Sars.
- Nyctiphanes, G. O. Sars.**
- 325 norvegica, M. Sars.
- 326 \*Couchii, Bell.
- Siriella, Dana.**
- 327 \*norvegica, G. O. Sars.
- 328 \*Brooki, Norman.
- 329 Clausii, G. O. Sars.
- 330 armata, H. M. Edw.
- 331 jaltensis, Czern.  
= S. crassipes, G. O. Sars.
- Pseudosiriella, Claus.**
- 332 frontalis, H. M. Edw.
- Gastrosaccus, Norman.**
- 333 spinifer, Goës.
- 334 sanctus, Van Ben.
- 335 Normani, G. O. Sars.
- Anchialus, G. O. Sars.**
- 336 agilis, G. O. Sars.
- Heteromysis, S. J. Smith.**
- 337 \*formosa, S. J. Smith.  
= H. norvegica, G. O. Sars.
- Erythrops, G. O. Sars.**
- 338 erythrophthalma, Goës.  
= \*Nematopus Goesi, G. O. Sars.
- 339 \*elegans, G. O. Sars.  
= E. pygmæa, G. O. Sars.
- 340 \*serrata, G. O. Sars.
- 341 \*abyssorum, G. O. Sars.
- Parerythrops, G. O. Sars.**
- 342 \*obesa, G. O. Sars.
- 343 \*abyssicola, G. O. Sars.
- Mysidopsis, G. O. Sars.**
- 344 \*didelphys, Norman.
- 345 \*gibbosa, G. O. Sars.
- 346 \*angusta, G. O. Sars.
- 347 \*hibernica, Norman.
- Boreomysis, G. O. Sars.**
- 348 \*arctica, Kröyer.
- 349 \*tridens, G. O. Sars.
- 350 \*megalops, G. O. Sars.
- 351 nobilis, G. O. Sars.
- 352 scyphops, G. O. Sars.
- Pseudomma, G. O. Sars.**
- 353 \*roseum, G. O. Sars.
- 354 \*affine, G. O. Sars.
- 355 \*truncatum, S. J. Smith.
- Amblyops, G. O. Sars.**
- 356 \*abbreviata, G. O. Sars.



**Leptomysis, G. O. Sars.**

- 357 \*gracilis, G. O. Sars.  
= \*Mysidopsis hispida, Norman.  
358 \*lingvura, G. O. Sars.  
359 mediterranea, G. O. Sars.  
360 apiops, G. O. Sars.  
361 truncata, Heller.  
= L. sardica, G. O. Sars.

**Hemimysis, G. O. Sars.**

- 362 Lamornæ, Couch.  
363 \*abyssicola, G. O. Sars.

**Macropsis, G. O. Sars.**

- 364 Slabberi, J. Van Ben.

**Macromysis, A. White.**

- 365 flexuosa, Müller.  
366 \*neglecta, G. O. Sars.  
367 inermis, Rathke.

**Schistomysis, Norman.**

- 368 \*spiritus, Norman.  
369 \*ornata, G. O. Sars.  
370 var. \*Kervillei, G. O. Sars.  
371 \*Parkeri, Norman.  
372 Helleri, G. O. Sars.  
373 arenosa, G. O. Sars.  
374 assimilis, G. O. Sars.

**Diamysis, Czerniavsky.**

- 375 bahirensis, G. O. Sars.

**Mysis, Latreille.**

- 376 oculata, Fabr.  
377 \*relicta, Lovén.

**Mesomysis, n.g.**

- 378 mixta, Lilljeborg.  
379 \*stenolepis, S. J. Smith.

**Mysideis, G. O. Sars.**

- 380 \*insignis, G. O. Sars.

**Acanthomysis, Czerniavsky.**

- 381 longicornis, H. M. Edw.

**Neomysis, Czerniavsky.**

- 382 vulgaris, Thompson.  
383 \*americana, S. J. Smith.

**Stilomysis, Norman.**

- 384 \*grandis, Goës.

**Mysidella, G. O. Sars.**

- 385 \*typica, G. O. Sars.  
386 \*typhlops, G. O. Sars.

**Order VI.—STOMATOPODA.****Squilla, Fabricius.**

- 387 mantis, De Geer,

**Squilla, Fabricius.—continued.**

- 388 empusa, Say.  
389 Desmarestii, Risso.  
**Pseudosquilla, Dana.**  
390 Cerisii, Roux.  
**Lysiosquilla, Dana.**  
391 eusebia, Risso.

**Order VII.—CUMACEA.****Cuma, H. Milne Edwards.**

- 392 scorpioides, Mont.  
= C. Edwardsii, Goodsir.  
393 arenosa, Goodsir.  
= C. scorpioides, G. O. Sars.  
394 pulchella, G. O. Sars.

**Iphinoe, Bate.**

- 395 trispinosa, Goodsir.  
396 \*serrata, Norman.  
397 tenella, G. O. Sars.

**Cyclaspis, G. O. Sars.**

- 398 \*longicaudata, G. O. Sars.

**Lamprops, G. O. Sars.**

- 399 \*fasciata, G. O. Sars.  
400 \*fuscata, G. O. Sars.

**Hemilamprops, G. O. Sars.**

- 401 \*rosea, Norman.  
402 \*assimilis, G. O. Sars.  
403 \*cristata, G. O. Sars.  
404 \*uniplicata, G. O. Sars.

**Platyaspis, G. O. Sars.**

- 405 \*typica, G. O. Sars.

**Cumopsis, G. O. Sars.**

- 406 Goodseri, J. Van Ben.  
407 longipes, Dohrn.

**Vaunthompsonia, Bate.**

- 408 cristata, Bate.

**Leucon, Kröyer.**

- 409 nasiça, Kröyer.  
410 nasicoïdes, Lilljeborg.  
411 \*fulvus, G. O. Sars.  
412 \*pallidus, G. O. Sars.  
413 \*acutirostris, G. O. Sars.  
414 longirostris, G. O. Sars.  
415 \*serratus, Norman.  
416 \*brevirostris, Norman.

**Eudorella, Norman.**

- 417 emarginata, Kröyer.  
418 truncatula, Bate.  
419 \*hirsuta, G. O. Sars.  
420 \*pusilla, G. O. Sars.

**Eudorella, Norman.**—continued.

- 421 \*hispidia, G. O. Sars.  
 422 nana, G. O. Sars.  
 423 \*integra, S. J. Smith.  
**Eudorellopsis, G. O. Sars.**  
 424 deformis, Kröyer.  
**Chalarostylis, Norman.**  
 425 \*elegans, Norman.  
**Diastylis, Say.**  
 426 Rathkei, Kröyer.  
 427 var. Sarsii, Norman.  
       Sars, Cumacea, p. 107.  
 428 cornuta, Boeck.  
 429 rugosa, G. O. Sars.  
       =D. strigata, Norman, ♂.  
 430 lucifera, Kröyer.  
 431 \*lævis, Norman.  
 432 \*tumida, Lilljeborg.  
 433 Goodseri, Bell.  
 434 spinulosa, Heller.  
 435 echinata, Bate.  
 436 scorpioides, Lepechen.  
       =C. Edwardsii, Kröyer.  
 437 \*sculpta, G. O. Sars.  
 438 polaris, G. O. Sars.  
 439 stygia, G. O. Sars.  
 440 \*quadrispinosa, G. O. Sars.  
 441 \*picta, Stuxberg.  
 442 bispinosa, Stimpson.  
 443 \*Bradii, Norman.  
 444 neapolitana, G. O. Sars.  
 445 \*armata, Norman.  
 446 \*polita, S. J. Smith.  
 447 insignis, G. O. Sars.  
 448 Josephinæ, G. O. Sars.  
 449 longipes, G. O. Sars.  
**Diastylodes, G. O. Sars.**  
 450 \*serrata, G. O. Sars.  
 451 \*biplicata, G. O. Sars.  
       =\*lamellata ♀ and \*Calveri ♂,  
       Norman.  
**Diastylopsis, G. O. Sars.**  
 452 resima, Kröyer.  
**Leptostylis, G. O. Sars.**  
 453 \*longimana, G. O. Sars.  
 454 \*ampullacea, Lilljeborg.  
 455 \*macrura, G. O. Sars.  
 456 \*villosa, G. O. Sars.  
**Pseudocuma, G. O. Sars.**  
 457 cercaria, J. Van Ben.  
 458 similis, G. O. Sars.

**Petalosarsia, Stebbing.**

- 459 \*declivis, G. O. Sars.  
**Cumella, G. O. Sars.**  
 460 limicola, G. O. Sars.  
 461 pygmæa, G. O. Sars.  
**Nannastacus, Spence Bate.**  
 462 unguiculatus, Bate.  
**Spencebatea, Norman.**  
 463 \*abyssicola, Norman.  
**Campylaspis, G. O. Sars.**  
 464 \*rubicunda, Lilljeborg.  
 465 \*sulcata, G. O. Sars.  
 466 \*costata, G. O. Sars.  
 467 \*undata, G. O. Sars.  
 468 \*verrucosa, G. O. Sars.  
 469 \*horrida, G. O. Sars.  
 470 macrophthalma, G. O. Sars.

**Order VIII.—ISOPODA.****Apseudes, Leach.**

- 471 talpa, Montagu.  
 472 Latreillii, M. Edw.  
 473 spinosus, M. Sars.  
 474 \*uncidigitatus, Nor. and Stebb.  
 475 \*simplicirostris, Nor. and Stebb.  
 476 \*grossimanus, Norman.  
       =A. tricornis, Norman, M. S.  
 477 \*gracilis, Nor. and Stebb.  
 478 \*lunarifrons, Nor. and Stebb.  
       =A. echinatus, G. O. Sars.  
**Apseudopsis, Norman and Stebbing.**  
 479 acutifrons, G. O. Sars.  
 480 \*hastifrons, Nor. and Stebb.  
       =A. Latreillii, Claus (nec M. Edw.).

**Sphyrapus, Norman and Stebbing.**

- 481 \*malleolus, Nor. and Stebb.  
 482 \*tudes, Nor. and Stebb.  
 483 \*anomalus, G. O. Sars.  
**Tanais, H. M. Edwards.**  
 484 Cavolinii, H. M. Edw.  
       =T. vittatus, Rathke.  
 485 Chevreuxi, A. Dollf.  
       =T. Cavolinii, G. O. Sars.  
 486 Dulongii (And.) Bate and West.

**Heterotanais, G. O. Sars.**

- 487 Oerstedii, Kröyer.  
 488 anomalus, G. O. Sars.  
**Alaotanais, Norman and Stebbing.**  
 489 \*serratospinosus, Nor. and Stebb.



**Alaotanaia, Norman and Stebbing.**—  
continued.

- 490 \**lævispinosus*, Nor. and Stebb.  
= *Leptochelia elegans*, Norman,  
M. S.  
491 \**hastiger*, Nor. and Stebb.  
= *Leptochelia affinis*, Norman, M. S.

**Leptochelia, Dana.**

- 492 *algiticola*, Hargir.  
= *L. dubia*, G. O. Sars (nec Kröyer).  
493 *Savignii*, Kröyer.  
= *L. Edwardsii*, Bate and West.

**Paratanaia, Dana.**

- 494 *Batei*, G. O. Sars.

**Typhlotanaia, G. O. Sars.**

- 495 *brevicornis*, Lillj.  
496 \**microcheles*, G. O. Sars.  
497 *æquiremis*, Lillj.  
498 *tenuicornis*, G. O. Sars.  
499 \**finmarchicus*, G. O. Sars.  
500 *tenuimanus*, Lillj.  
501 *assimilis*, G. O. Sars.

**Leptognathia, G. O. Sars.**

- 502 *longiremis*, Lillj.  
503 *breviremis*, Lillj.  
504 *brevimana*, Lillj.  
505 *dentifera*, G. O. Sars.  
506 *filiformis*, Lillj.

**Tanaopsis, G. O. Sars.**

- 507 *laticaudata*, G. O. Sars.

**Haplocope, G. O. Sars.**

- 508 \**angusta*, G. O. Sars.

**Strongylura, G. O. Sars.**

- 509 \**cylindrata*, G. O. Sars.  
510 \**arctophylax*, Nor. and Stebb.

**Tanaella, Norman and Stebbing.**

- 511 \**unguicillata*, Nor. and Stebb.

**Anarthrura, G. O. Sars.**

- 512 \**simplex*, G. O. Sars.

**Pseudotanaia, G. O. Sars.**

- 513 *forcipatus*, Lillj.

**Anthura, Leach.**

- 514 *gracilis*, Mont.

**Cyathura, Norman and Stebbing.**

- 515 *carinata*, Kröyer.

**Anthelura, Norman and Stebbing.**

- 516 \**elongata*, Norman.  
517 \**abyssorum*, Nor. and Stebb.

**Hyssura, Norman and Stebbing.**

- 518 \**producta*, Nor. and Stebb.

**Paranthura, Bate and Westwood.**

- 519 *nigropunctata*, Lucas.  
= *P. costana*, B. and W.

- 520 \**tenuis*, G. O. Sars.

**Calathura, Norman and Stebbing.**

- 521 *brachiata*, Stimpson.  
522 \**var. norvegica*, G. O. Sars.

**Gnathia, Leach.**

- 523 *maxillaris*, Mont.  
524 *vorax*, Lucas.  
525 *elongata*, G. O. Sars.  
526 \**dentata*, G. O. Sars.

**Livoneca, Leach.**

- 527 *mediterranea*, Heller.  
528 *Redmanni*, Leach.

**Olencira, Leach.**

- 529 *prægustator*, Latrobe.

**Anilocra, Leach.**

- 530 *physodes*, Lin.  
531 *frontalis*, H. M. Edw.  
532 *laticauda*, H. M. Edw.

**Nerocila, Leach.**

- 533 *bivittata*, Risso.  
534 *neapolitana*, Schi. and Mein.  
535 *munda*, Harger.  
536 *maculata*, H. M. Edw.  
537 *affinis*, H. M. Edw.

**Ceratothoa, Dana.**

- 538 *æstroides*, Risso.  
539 *parallella*, Otto.

**Emetha, Schiödte and Meinert.**

- 540 *Audouinii*, H. M. Edw.

**Glossobius, Schiödte and Meinert.**

- 541 *linearis*, Dana.

**Cymothoa, Fabricius.**

- 542 *æstrum*, Lin.

**Æga, Leach.**

- 543 \**crenulata*, Lütken.  
544 *Strömmii*, Lütken.  
545 *psora*, Lin.  
546 *monophthalma*, Johnston.  
547 \**arctica*, Lütken.  
548 *tridens*, Leach.  
549 *ventrosa*, M. Sars.  
= \**Ægiochus Nordenskiöldii*, Bov.  
550 *Déshayesiana*, H. M. Edw.

**Syscenus, Harger.**

- 551 \**infelix*, Harger.

**Rocinela, Leach.**

- 552 *danmoniensis*, Leach.  
553 *Dumerillii*, Lucas.

**Conilera, Leach.**

554 cylindracea, Mont.

**Cirolana, Leach.**

555 borealis, Lillj.

= *C. spinipes*, Bate and West.

556 neglecta, Hansen.

557 Cranchii, Leach.

558 concharum, Stimp.

**Eurydice, Leach.**

559 pulchra, Leach.

560 \*truncata, Norman.

561 Grimaldii, A. Dollfus.

= \**E. elegantula*, Hansen.

562 spinigera, Hansen.

563 inermis, Hansen.

= \**E. polydendrica*, Nor. and Stebb.,  
M. S.**Sphæroma, Latreille.**

564 serratum, Fab.

565 rugicauda, Leach.

566 Hookeri, Leach.

567 curtum, Leach.

568 Prideauxianum, Leach.

569 granulatum, H. M. Edw.

570 quadridentatum, Say.

571 tridentatum, Grube.

572 \*Bolivari, De Buen.

573 gibbosum, H. M. Edw.

**Cymodocea, Leach.**

574 pilosa, H. M. Edw.

575 truncata, Leach.

**Dynamene, Leach.**

576 versicolor, Rathke.

= *D. rubra* and *viridis*, Leach.= *D. varians*, Stebbing.**Næsa, Leach.**

577 bidentata, Adams.

**Campecopea, Leach.**

578 hirsuta, Mont.

**Limnoria, Leach.**

579 lignorum, Rathke.

**Glyptonotus, Eights.**

580 entomon, Lin.

581 Sabini, Kröyer.

582 cæcus, Say.

583 Tuftsii, Stimpson.

**Idotea, Fabricius.**

584 balthica, Pallas.

585 viridis, Slabber.

= *I. salinarum*, A. Dollfus.

586 granulosa, Rathke.

**Idotea, Fabricius.—continued.**

587 \*neglecta, G. O. Sars.

588 Basteri, Aud.

589 emarginata, Leach.

590 pelagica, Leach.

591 \*phosphorea, Harger.

592 metallica, Bosc.

593 hectica, Latr.

594 linearis, Lin.

**Zenobiana, Stebbing.**

595 prismatica, Risso.

= *I. parallella*, Bate and West.**Synidotea, Harger.**

596 nodulosa, Kröyer.

597 bicuspidata, Owen.

**Edotea, Guérin-Meneville.**

598 triloba, Say.

599 montosa, Stimpson.

**Stenosoma, Leach.**

600 appendiculatum, Risso.

601 lancifer, Leach.

**Erichsonella, H. Richardson.**

602 \*attenuata, Harger.

603 filiformis, Say.

**Arcturus, Latreille.**

604 Baffini, Sabine.

605 tuberosus, G. O. Sars.

606 hystrix, G. O. Sars.

**Astacilla, Cordiner.**

607 longicornis, Sow.

= *A. gracilis*, Goodsir, ♂.

608 intermedia, Goodsir.

= *A. affinis*, G. O. Sars.

609 pusilla, G. O. Sars.

610 Deshayesii, Lucas.

= \**A. linearis*, Stebb.

611 granulata, G. O. Sars.

= *A. americana*, Harger.**Arcturella, G. O. Sars.**

612 \*damnoniensis, Stebb.

613 dilatata, G. O. Sars.

**Asellus, G. St. Hilaire.**

614 aquaticus, Lin.

615 grœnlandicus, Kröyer.

616 \*coxalis, A. Dollfus.

**Janira, Leach.**

617 maculosa, Leach.

618 tricornis, Kröyer.

**Ianthe, Bovallius.**

619 spinosa, Bovallius.

620 \*laciniata, G. O. Sars.



**Janiropsis, G. O. Sars.**

621 \*breviremis, G. O. Sars.

**Jæra, Leach.**

622 marina, Fabr.

= J. albifrons, Leach.

623 \*Guernei, A. Dollfus.

**Jæropsis, Koehler.**

624 \*brevicornis, Koehler.

625 \*Dollfusi, Norman.

**Munna, Boeck.**

626 Boeckii, Kröyer.

627 Fabricii, Kröyer.

628 Kröyeri, Goodsir.

629 palmata, Lillj.

630 \*limicola, G. O. Sars.

**Paramunna, G. O. Sars.**

631 bilobata, G. O. Sars.

**Pleurogonium, G. O. Sars.**

632 \*rubicundum, G. O. Sars.

633 \*spinosissimum, G. O. Sars.

634 \*inermis, G. O. Sars.

**Dendrotion, G. O. Sars.**

635 \*spinosum, G. O. Sars.

**Nannoniscus, G. O. Sars.**

636 bicuspidis, G. O. Sars.

637 \*oblongus, G. O. Sars.

**Macrostylis, G. O. Sars.**

638 spinifera, G. O. Sars.

639 \*longicornis, Meinert.

**Ischnosoma, G. O. Sars.**

640 \*bispinosum, G. O. Sars.

641 quadrispinosum, G. O. Sars.

**Desmosoma, G. O. Sars.**

642 \*lineare, G. O. Sars.

643 \*armatum, G. O. Sars.

**Eugerdia, Meinert.**

644 tenuimana, G. O. Sars.

645 \*globiceps, Meinert.

**Echinopleura, G. O. Sars.**

646 \*aculeata, G. O. Sars.

**Munnopsis, M. Sars.**

647 \*typica, M. Sars.

**Ilyarachna, G. O. Sars.**

648 \*longicornis, G. O. Sars.

649 \*hirticeps, G. O. Sars.

650 \*denticulata, G. O. Sars.

**Echinozone, G. O. Sars.**

651 \*coronata, G. O. Sars.

**Aspidarachna, G. O. Sars.**

652 \*clypeata, G. O. Sars.

**Pseudarachna, G. O. Sars.**

653 \*hirsuta, G. O. Sars.

**Eurycope, G. O. Sars.**

654 \*cornuta, G. O. Sars.

655 \*phalangium, G. O. Sars.

656 \*furcata, G. O. Sars.

657 \*mutica, G. O. Sars.

658 \*producta, G. O. Sars.

659 \*gigantea, G. O. Sars.

**Ligia, Fabricius.**

660 oceanica, Lin.

661 italica, Fabr.

**Ligidium, Brandt.**

662 hypnorum, Cuvier.

**Trichoniscus, Brandt.**

663 pusillus, Brandt.

664 roseus, Koch.

665 vividus, Koch.

666 \*pygmæus, G. O. Sars.

**Trichoniscoides, G. O. Sars.**

667 albidus, B. Lund.

**Haplophthalmus, Schöbl.**

668 Mengii, Zaddach.

669 danicus, B. Lund.

**Titanethes, Schiödt.**

670 albus, Koch.

**Tylos, Latreille.**

671 Latreillei, Aud. and Sav.

**Helleria, Ebner.**

672 brevicornis, Ebner.

**Armadillo, Latreille.**

673 officinalis, Desmarest.

674 var. \*syriaca, A. Doll.

675 \*albomarginatus, A. Doll.

676 Mayeti, E. Simon.

677 \*canariensis, A. Doll.

**Eluma, Budde Lund.**

678 purpurascens, B. Lund.

**Armadillidium, Brandt.**

679 \*Apfelbecki, A. Doll.

680 assimile, B. Lund.

681 badium, B. Lund.

682 \*Davidi, A. Doll.

683 decorum, B. Lund.

684 depressum, Brandt.

685 \*Esterlanum, A. Doll.

686 fallax, Brandt.

687 frontirostre, B. Lund.

688 \*furcatum, B. Lund.

689 granulatum, Brandt.

690 hirtum, B. Lund.

**Armadillidium, Brandt.—continued.**

- 691 Klugii, Brandt.  
 692 maculatum, Fabricius.  
 693 muricatum, B. Lund.  
 694 \*nasatum, B. Lund.  
 695 opacum, Koch.  
 696 var. \*alpestre, A. Doll.  
 697 Pallasii, Brandt.  
 698 pictum, Brandt.  
 699 pulchellum, Zenker.  
 700 quinquempustulatum, B. Lund.  
 701 \*sanctum, A. Doll.  
 702 \*scabrum, A. Doll.  
 703 \*Simoni, A. Doll.  
 704 \*sordidum, A. Doll.  
 705 sulcatum, H. M. Edw.  
 706 \*versicolor, A. Doll.  
 707 vulgare, Latreille.  
 708 var. decipiens, Brandt.  
 709 Zenckeri, Brandt.

**Cylisticus, Schnitzler.**

- 710 convexus, De Geer.  
 711 \*gracilipennis, B. Lund.

**Porcellio, Latreille.**

- 712 affinis, Koch.  
 713 albinus, B. Lund.  
 714 \*amœnus, A. Doll.  
 715 \*angustulus, B. Lund.  
 716 arcuatus, B. Lund.  
 717 auritus, B. Lund.  
 718 \*Barroissi, A. Doll.  
 719 bistratus, B. Lund.  
 720 blattarius, B. Lund.  
 721 \*Bolivari, A. Doll.  
 722 Bovei, Lucas.  
 723 \*brevipennis, B. Lund.  
 724 \*Budde-Lundi, E. Simon.  
 725 \*canariensis, A. Doll.  
 726 \*contractus, A. Doll.  
 727 \*De Bueni, A. Doll.  
 728 dilatatus, Brandt.  
 729 echinatus, Lucas.  
 730 ficulneus, B. Lund.  
 731 \*flavocinctus, B. Lund.  
 732 Hoffmanseggii, B. Lund.  
 733 imbutus, B. Lund.  
 734 lævis, Latreille.  
 735 lamellatus, Uljanin.  
 736 latissimus, B. Lund.  
 737 \*longicauda, B. Lund.  
 738 lugubris, Koch.

**Porcellio, Latreille.—continued.**

- 739 \*magnificus, A. Doll.  
 740 marginenotatus, B. Lund.  
 741 marginalis, B. Lund.  
 742 montanus, B. Lund.  
 743 monticola, Lereb.  
 744 obsoletus, B. Lund.  
 745 occultus, B. Lund.  
 746 \*ocellatus, B. Lund.  
 747 Olivieri, Aud. and Sav.  
 748 ornatus, H. M. Edw.  
 749 \*pallidus, B. Lund.  
 750 pictus, Brandt.  
 751 platysoma, Brandt.\*  
 752 politus, Koch.  
 753 \*præustus, B. Lund.  
 754 \*provincialis, A. Doll.  
 755 pumicatus, B. Lund.  
 756 \*purpureus, B. Lund.  
 757 \*pyrenæus, A. Doll.  
 758 \*ragusæ, A. Doll.  
 759 Rathkei, Brandt.  
 760 Ratzeburgi, Brandt.  
 761 scaber, Latreille.  
 762 var. \*maritima, A. Doll.  
 763 var. \*arenaria, A. Doll.  
 764 \*simulator, B. Lund.  
 765 spinipennis, B. Lund.  
 766 \*spinipes, A. Doll.  
 767 \*succinctus, B. Lund.  
 768 \*transmutatus, B. Lund.  
 769 variabilis, Lucas.  
 770 violaceus, B. Lund.  
 771 \*Wagneri, B. Lund.

**Hemilepistus, Budde Lund.**

- 772 Reaumurii, Aud. and Sav.

**Metaponorthus, Budde Lund.**

- 773 cingendus, Kinahan.  
 774 \*coxalis, B. Lund.  
 775 \*frontosus, B. Lund.  
 776 \*fuscomarmoratus, B. Lund.  
 777 glaber, Koch.  
 778 \*lacteolus, B. Lund.  
 779 littoralis, B. Lund.  
 780 melanurus, B. Lund.  
 781 meleagris, B. Lund.  
 782 myrmecophilus, B. Lund.  
 783 orientalis, Uljanin.  
 784 \*philoscoides, B. Lund.  
 785 planus, B. Lund.  
 786 pruinosis, Brandt.



**Metaponorthus, Budde Lund.**—continued.

- 787 var. *Swammerdamii*, Aud. and Sav.  
 788 \**rufocinctus*, A. Doll.  
 789 *sexfasciatus*, Koch.

**Leptotrichus, Budde Lund.**

- 790 *Panzeri*, Aud. and Sav.  
 791 *caudatus*, A. Doll.  
 792 *tauricus*, B. Lund.  
 793 *ciliatus*, B. Lund.

**Bythotropa, Budde Lund.**

- 794 \**hispana*, A. Doll.  
 795 \**thermophila*, A. Doll.  
 796 \**Meinerti*, B. Lund.  
 797 \**granulata*, A. Doll.

**Lucasius, Kinahan.**

- 798 \**tardus*, B. Lund.  
 799 \**albicornis*, A. Doll.  
 800 \**Normani*, A. Doll.  
 801 *myrmecophilus*, Lucas.  
 802 \**hirtus*, A. Doll.  
 803 *pallidus*, B. Lund.

**Chavesia, A. Dollfus.**

- 804 \**costulata*, A. Doll.

**Platyarthrus, Brandt.**

- 805 *Hoffmanseggii*, Brandt.  
 806 \**Schöblii*, B. Lund.  
 807 \**caudatus*, A. Doll.

**Oniscus, Linné.**

- 808 *asellus*, Lin.  
 809 \**Simoni*, B. Lund.

**Philoscia, Latreille.**

- 810 *muscorum*, Scopoli.  
 811 *vittata*, Say.  
 812 \**Guernei*, A. Doll.  
 813 \**corsica*, A. Doll.  
 814 *Ehrenbergi*, Brandt.  
 815 \**pyrenaica*, A. Doll.  
 816 \**cellaria*, A. Doll.  
 817 \**elongata*, A. Doll.

**Armadilloniscus, Uljanin.**

- 818 *candidus*, B. Lund.  
 819 *tuberculatus*, A. Doll.

**Cryptothir, Dana.**

- 820 *balani*, Bate.

**Cyproniscus, Kossman.**

- 821 *cypridinæ*, G. O. Sars.

**Liriopsis, Mac Schultze.**

- 822 *pygmæa*, Rathke.

**Dajus, Kröyer.**

- 823 *mysidis*, Kröyer.

**Aspidophryxus, G. O. Sars.**

- 824 *peltatus*, G. O. Sars.  
 825 *Sarsi*, Giard and Bonn.

**Phryxus, Rathke.**

- 826 *abdominalis*, Rathke.

**Athelges, Hesse.**

- 827 *paguri*, Rathke.

**Bopyrina, Kossman.**

- 828 *Giardi*, Bonnier.

**Bopyroides, Stimpson.**

- 829 *Sarsi*, Bonnier.  
 830 \**furcata*, Norman, n. sp.

**Bopyrus, Latreille.**

- 831 *squillarum*, Latr.  
 832 *Helleri*, Giard and Bonn.

**Cancricepon, Giard and Bonnier.**

- 833 \**elegans*, Giard and Bonnier.

**Grapsicepon, Giard and Bonnier.**

- 834 \**Edwardsii*, Giard and Bonn.

**Gyge, Cornalia and Panceri.**

- 835 *branchialis*, Cor. and Pan.  
 = *G. galatheæ*, Bate and West. <sup>1</sup>

**Ione, Latreille.**

- 836 *thoracica*, Montagu.

**Pleurocrypta, Hesse.**

- 837 *galatheæ*, Hesse.  
 838 *strigosa*, Giard and Bonn.  
 839 *marginata*, G. O. Sars.  
 = *P. Hendersoni*, Giard and Bonn.  
 840 *longibranchiata*, Bate and West.

**Pseudione, Kossman.**

- 841 *Hyndmanni*, Bate and West.  
 842 *confusa*, Norman.  
 843 *dubia*, Bonnier.

**Grapsion, Giard and Bonnier.**

- 844 \**Cavolini*, Giard.

**Portunion, Giard and Bonnier.**

- 845 \**Kossmanni*, Giard and Bonn.  
 846 \**mænadis*, Giard.

**Cancrion, Giard and Bonnier.**

- 847 \**miser*, Giard and Bonn.

**Priapion, Giard and Bonnier.**

- 848 \**Fraissei*, Giard and Bonn.

**Order IX.—AMPHIPODA.****Vibilia, H. Milne Edwards.**

- 849 *Jeangerardii*, Aud.  
 850 \**erratica*, Chevreux.

<sup>1</sup> *G. Galatheæ*, B. and W., was found on *Gebia* not on *Galathea* as erroneously recorded by those authors.

**Vibilia, H. Milne Edwards.**—continued.

- 851 \*borealis, Bate.  
 852 \*hirondellei, Chevreux.  
**Lanceola, Say.**  
 853 Sayana, Bovallius.  
 854 \*Murrayi, Norman.  
**Cystosoma, Guérin Méneville.**  
 855 spinosum, Fabr.  
**Phronima, Latreille.**  
 856 sedentaria, Forskal.  
 857 atlantica, Guérin.  
 858 Colletti, Bovallius.  
**Phronimella, Claus.**  
 859 elongata, Claus.  
**Paraphronima, Claus.**  
 860 crassipes, Claus.  
 861 gracilis, Claus.  
 862 clypeatus, Bovallius.  
**Hyperia, Latreille.**  
 863 galba, Mont.  
 864 spinipes, Boeck.  
 865 schizogeneios, Stebbing.  
**Parathemisto, Boeck.**  
 866 oblivia, Kröyer.  
 867 gracilipes, Norman.  
**Euthemisto, Bovallius.**  
 868 libellula, Mandt.  
 869 bispinosa, Boeck.  
 870 compressa, Goës.  
**Hyperoche, Bovallius.**  
 871 tauriformis, Bate and West.  
       = H. Kröyeri, Bovallius.  
**Phrosina, Risso.**  
 872 semilunata, Risso.  
**Anchylomera, H. Milne Edwards.**  
 873 Blossavillii, H. M. Edw.  
**Platyscelus, Bate.**  
 874 serrulatus, Stebbing.  
       = E. serratus, Claus.  
**Hemityphis, Claus.**  
 875 \*tenuimanus, Claus.  
**Tetrathyrus, Claus.**  
 876 \*forcipatus, Claus.  
**Amphithyrus, Claus.**  
 877 \*bispinosus, Claus.  
**Thyropus, Risso.**  
 878 ovoides, Risso.  
**Schizoscelus, Claus.**  
 879 \*ornatus, Claus.  
**Eupronoe, Claus.**  
 880 \*armata, Claus.

- Brachyscelus, Bate.**  
 881 crustulum, Bate.  
**Tryphana, Boeck.**  
 882 Malmii, Boeck.  
**Lycæa, Dana.**  
 883 robusta, Claus.  
**Scina, Prestandrea.**  
 884 borealis, G. O. Sars.  
**Oxycephalus, H. Milne Edwards.**  
 885 piscator, H. M. Edw.  
**Talitrus, Latreille.**  
 886 locusta, Pallas.  
**Orchestia, Latreille.**  
 887 littorea, Mont.  
 888 mediterranea, Costa.  
 889 \*agilis, S. I. Smith.  
 890 \*palustris, S. I. Smith.  
 891 crassicornis, Costa.  
 892 cavimana, Heller.  
 893 Chevreuxi, De Guerne.  
**Orchestoidea, Nicolet.**  
 894 Deshayesii, Aud.  
 895 Fischeri, H. M. Edw.  
 896 brito, Stebbing.  
**Talorchestia, Dana.**  
 897 longicornis, Say.  
 898 megalophthalmus, Bate.  
**Hyale, Rathke.**  
 899 Nilssoni, Rathke.  
 900 \*Buccichi, Heller.  
 901 Lubbockiana, Bate.  
       = Allorchestes, imbricatus, B.  
       and W.  
 902 plumicornis, Heller.  
 903 littoralis, Stimpson.  
 904 \*crassipes, Heller.  
 905 \*camptonyx, Heller.  
 906 Prevostii, H. M. Edw.  
       = O. Pericri, Lucas.  
 907 \*Stebbingii, Chevreux.  
 908 \*Grimaldi, Chevreux.  
**Trischizostoma, Boeck.**  
 909 Raschi, Boeck.  
**Normanion, Bonnier.**  
 910 quadrimana, Bate and West.  
 911 \*amblyops, G. O. Sars.  
**Opisa, Boeck.**  
 912 Eschrichtii, Kröyer.  
**Sophrrosyne, Stebbing.**  
 913 Robertsoni, Stebb. and Rob.



**Acidostoma, Lilljeborg.**

- 914 obesum, Bate.  
915 laticorne, G. O. Sars.

**Ichnopus, Costa.**

- 916 spinicornis, Boeck.  
917 taurus, A. Costa.  
918 affinis, Heller.

**Lysianax, Stebbing.**

- 919 septentrionalis, Della Valle.  
= L. Costæ, Auct (nec M. Edw.).  
920 ceratinus, Walker.  
921 longicornis, Lucas.  
922 \*annulatus, Stuxberg.  
923 punctatus, O. G. Costa.  
924 \*bispinosus, Della Valle.

**Lysianella, G. O. Sars.**

- 925 \*petalocera, G. O. Sars.

**Socarnes, Boeck.**

- 926 Vahli, Kröyer.  
927 erythrophthalmus, Robertson.  
928 bidenticulatus, Bate.

**Ambasia, Boeck.**

- 929 Danielsseni, Boeck.

**Aristias, Boeck.**

- 930 neglectus, Hansen.  
931 tumidus, Kröyer.

**Perrierella, Chevreux and Bouvier.**

- 932 \*Audouiniana, Bate.

**Callisoma, Costa.**

- 933 Hopei, A. Costa.  
= C. crenata, Bate.  
934 Kröyeri, Bruzelius.

**Hippomedon, Boeck.**

- 935 denticulatus, Bate.  
936 propinquus, G. O. Sars.  
937 Holbölli, Kröyer.

**Cyclocaris, Stebbing.**

- 938 Guilelmi, Chevreux.  
= \*C. faroensis, Norman.

**Paratryphosites, Stebbing.**

- 939 abyssi, Goës.

**Orchomene, Boeck.**

- 940 humilis, A. Costa.  
= A. \*melanophthalmus, Norman.  
= O. \*Batei, G. O. Sars.  
941 serratus, Boeck.  
942 pectinatus, G. O. Sars.  
943 crispatus, Goës.  
944 amblyops, G. O. Sars.

**Tryphosa, Boeck.**

- = Orchemenella, G. O. Sars.  
945 nana, Kröyer.  
= O. \*ciliata, G. O. Sars.  
946 minuta, Kröyer.  
947 pinguis, Boeck.  
948 gröenlandica, Hansen.

**Nannonyx, G. O. Sars.**

- 949 Goesii, Boeck.

**Tryphosella, Bonnier.**

- = Tryphosa, G. O. Sars.  
950 Sarsi, Bonnier.  
= T. nana, Sars (nec Kröyer).  
951 compressa, G. O. Sars.  
= \*T. abyssi, Norman.  
952 Hörringii, Boeck.  
953 nanoides, Lilljeborg.  
954 angulata, G. O. Sars.

**Orchemenopsis, G. O. Sars.**

- 955 obtusa, G. O. Sars.

**Tryphosites, G. O. Sars.**

- 956 longipes, Bate.

**Schisturella, Norman.**

- 957 pulchra, Hansen.

**Uristes, Dana.**

- 958 umbonata, G. O. Sars.

**Euryporeia, G. O. Sars.**

- 959 gryllus, Mandt.

**Anonyx, Kröyer.**

- 960 nugax, Phipps.  
= A. lagna, Kröyer.  
961 Lilljeborgii, Boeck.  
962 Schmardæ, Heller.

**Haplonyx, G. O. Sars.**

- 963 cicada, Fabr.  
= A. gulosus, Kröyer.  
964 similis, G. O. Sars.  
965 acutus, G. O. Sars.  
966 albidus, G. O. Sars.  
967 leucophthalmus, G. O. Sars.  
968 cæculus, G. O. Sars.

**Centromedon, G. O. Sars.**

- 969 pumilus, Lilljeborg.

**Pseudalibrotus, Della Valle.**

- 970 littoralis, Kröyer.  
971 caspius, Grimm.

**Onesimus, Boeck.**

- 972 Edwardsii, Kröyer.  
973 plautus, Kröyer.

- Chironesimus, G. O. Sars.**  
 974 \*caricus, Hansen.  
 975 \*brevicaudatus, Hansen.  
 976 nobilis, Stimpson.
- Menigrates, Boeck.**  
 977 obtusifrons, Boeck.
- Podoprior, Chevreux.**  
 978 \*Bolivari, Chevreux.
- Lepedipecreum, Bate.**  
 979 carinatum, Bate.  
 980 umbo, Goës.
- Euonyx, Norman.**  
 981 \*chelatus, Norman.
- Pontoporeia, Kröyer.**  
 982 femorata, Kröyer.  
 983 affinis, Lindström.  
 984 \*Hoyi, Smith.  
 985 \*setosa, Stuxberg.
- Bathyporeia, Lindström.**  
 986 norvegica, G. O. Sars.  
 987 pelagica, Bate.  
 988 Robertsoni, Bate.  
 989 gracilis, G. O. Sars.
- Haustorius, Stadius Müller.**  
 990 arenarius, Slabber.
- Urothoe, Dana.**  
 991 norvegica, Boeck.  
 992 pulchella, A. Costa.  
 993 marina, Bate.  
 994 elegans, Bate.  
 995 Bairdii, Bate.  
 996 \*Grimaldi, Chevreux.
- Phoxocephalus, Stebbing.**  
 997 Holbölli, Kröyer.  
       = P. Kröyeri, Stimpson.  
 998 oculatus, G. O. Sars.  
 999 simplex, Bate.  
       = P. pectinatus, Walker.  
 1000 \*Fulton, T. Scott.  
       = P. chelatus, Della Valle.
- Leptophoxus, G. O. Sars.**  
 1001 \*falcatus, G. O. Sars.
- Harpinia, Boeck.**  
 1002 plumosa, Kröyer.  
 1003 neglecta, G. O. Sars.  
 1004 pectinata, G. O. Sars.  
 1005 truncata, G. O. Sars.  
 1006 \*latipes, Norman.  
 1007 crenulata, Boeck.

- Harpinia, Boeck.—continued.**  
 1008 abyssi, G. O. Sars.  
 1009 lævis, G. O. Sars.
- Ampelisca, Kröyer.**  
 1010 typica, Bate.  
 1011 tenuicornis, Lilljeborg.  
 1012 assimilis, Boeck.  
 1013 brevicornis, A. Costa.  
       = A. lævigata, Lilljeborg.  
 1014 \*gibba, G. O. Sars.  
 1015 macrocephala, Lilljeborg.  
 1016 spinipes, Boeck.  
 1017 Eschrichtii, Kröyer.  
 1018 odontoplax, G. O. Sars.  
 1019 æquicornis, Bruzelius.  
 1020 \*anomala, G. O. Sars.  
 1021 \*amblyops, G. O. Sars.  
 1022 \*pusilla, G. O. Sars.  
 1023 \*gracilis, S. I. Smith.  
 1024 limicola, Stimpson.  
 1025 diadema, Costa.  
 1026 rubella, Costa.  
       = \*A. serraticaudata, Chevreux.  
 1027 \*spinimana, Chevreux.  
 1028 \*Sarsii, Chevreux.
- Byblis, Boeck.**  
 1029 Gaimardi, Kröyer.  
 1030 \*affinis, G. O. Sars.  
 1031 \*erythrops, G. O. Sars.  
 1032 crassicornis, Metzger.
- Haploops, Lilljeborg.**  
 1033 tubicola, Lilljeborg.  
 1034 setosa, Boeck.  
 1035 robusta, G. O. Sars.  
 1036 lævis, Hoek.
- Stegocephalus, Kröyer.**  
 1037 inflatus, Kröyer.  
 1038 similis, G. O. Sars.
- Stegocephaloides, G. O. Sars.**  
 1039 christianiensis, Boeck.  
 1040 \*auratus, G. O. Sars.
- Aspidopleurus, G. O. Sars.**  
 1041 \*gibbosus, G. O. Sars.
- Andania, Boeck.**  
 1042 abyssi, Boeck.
- Andaniopsis, G. O. Sars.**  
 1043 nordlandica, Boeck.
- Andaniella, G. O. Sars.**  
 1044 \*pectinata, G. O. Sars.
- Astyra, Boeck.**  
 1045 abyssi, Boeck.



**Amphilochus, Bate.**

- 1046 manudens, Bate.  
 1047 \*neapolitanus, Della Valle.  
       = A. \*melanops, Walker.  
 1048 \*brunneus, Della Valle.

**Amphilochoides, G. O. Sars.**

- 1049 \*serratipes, Norman.  
       = A. Boeckii, G. O. Sars.  
 1050 odontonyx, Boeck.  
       = O. pusillus, G. O. Sars.

**Gitanopsis, G. O. Sars.**

- 1051 bispinosa, Boeck.  
 1052 \*arctica, G. O. Sars.

**Gitana, Boeck.**

- 1053 Sarsi, Boeck.  
       = A. Sabrinæ, Stebbing.  
 1054 rostrata, Boeck.

**Stegoplax, G. O. Sars.**

- 1055 \*brevirostris, T. and A. Scott.

**Cyproidea (Haswell ?) Stebbing.**

- 1056 \*damnoniensis, Stebbing.

**Stenothoe, Dana.**

- 1057 marina, Bate.  
 1058 monoculoides, Montagu.  
 1059 \*microps, G. O. Sars.  
 1060 \*tenella, G. O. Sars.  
 1061 \*brevicornis, G. O. Sars.  
 1062 megacheir, Bate.  
 1063 \*setosa, Norman.  
 1064 \*Dollfusi, Chevreux.  
 1065 \*antennularia, Della Valle.  
 1066 \*valida (Dana), Della Valle.

**Probolium, Costa.**

- 1067 \*gregarium, G. O. Sars.  
 1068 \*calcaratum, G. O. Sars.  
 1069 polyprion, Costa.

**Metopa, Boeck.**

- 1070 Alderi, Bate.  
 1071 norvegica, Lilljeborg.  
       = M. pollexiana, Bate.  
 1072 spectabilis, G. O. Sars.  
 1073 Boeckii, G. O. Sars.  
 1074 borealis, G. O. Sars.  
 1075 rubrovittata, G. O. Sars.  
 1076 pusilla, G. O. Sars.  
 1077 longicornis, Boeck.  
 1078 tenuimana, G. O. Sars.  
 1079 affinis, Boeck.  
 1080 Bruzelii, Goës.  
 1081 \*sinuata, G. O. Sars.  
 1082 \*Sölsbergi, Schneider.

**Metopa, Boeck.—continued.**

- 1083 \*invalida, G. O. Sars.  
 1084 \*abscisa, Norman.  
 1085 \*groenlandica, Hansen.  
 1086 \*carinata, Hansen.  
 1086a \*clypeata, Kröyer.

**Sthenometopa, Norman.**

- = Metopina, Norman (in use).  
 1087 robusta, G. O. Sars.

**Metopella, G. O. Sars.**

- 1088 nasuta, Boeck.  
 1089 longimana, Boeck.  
 1090 \*neglecta, Hansen.

**Cressa, Boeck.**

- 1091 dubia, Bate.  
 1092 minuta, Boeck.

**Leucothoe, Leach.**

- 1093 spinicarpa, Abildgaard.  
 1094 Lilljeborgii, Boeck.  
       = L. imparicrnis, Norman.  
       = L. incisa, Robertson.  
 1095 \*platycera, Della Valle.  
 1096 Richiardi, Lessona.

**Ædiceros, Kröyer.**

- 1097 saginatus, Kröyer.  
 1098 borealis, Boeck.

**Parædiceros, G. O. Sars.**

- 1099 lynceus, M. Sars.  
 1100 propinquus, Goës.  
       = Æ. microps, G. O. Sars.  
 1101 \*curvirostris, Hansen.

**Monoculodes, Stimpson.**

- 1102 carinatus, Bate.  
       = M. Stimpsoni, Bate.  
 1103 \*tessellatus, Schneider.  
 1104 borealis, Boeck.  
 1105 \*pallidus, G. O. Sars.  
 1106 norvegicus, Boeck.  
 1107 \*subnudus, Norman.  
       = M. falcatus, G. O. Sars.  
 1108 tuberculatus, Boeck.  
 1109 latimanus, G. O. Sars.  
 1110 Kröyeri, Boeck.  
 1111 longirostris, Goës.  
 1112 Packardi, Boeck.

**Monoculopsis, G. O. Sars.**

- 1113 longicornis, Boeck.

**Perioculodes, G. O. Sars.**

- 1114 longimanus, Bate.  
       = M. Grubei, Boeck.

**Pontocrates, Boeck.**

- 1115 arenaria, Bate.  
 1116 altamarina, Bate and West.  
 1117 norvegica, Boeck.

**Synchelidium, G. O. Sars.**

- 1118 haplocheles, Grube.  
     = Kröyera brevicarpa, Bate and West.  
 1119 tenuimanum, Norman.  
     = S. haplocheles, G. O. Sars.  
 1120 intermedium, G. O. Sars.

**Halicreion, Boeck.**

- 1121 æquicornis, Norman.  
     = H. longicaudata, Boeck.

**Bathymedon, G. O. Sars.**

- 1122 Saussurei, Boeck.  
 1123 longimanus, Boeck.

**Halimedon, Boeck.**

- 1124 parvimanus, Bate.  
     = H. Mülleri, Boeck.  
 1125 acutifrons, G. O. Sars.  
 1126 megalops, G. O. Sars.  
 1127 brevicealcar, Goës.  
 1128 rectirostris, Della Valle.

**Ædiceropsis, Lilljeborg.**

- 1129 brevicornis, Lilljeborg.

**Aceros, Boeck.**

- 1130 phyllonyx, M. Sars.

**Aceroides, G. O. Sars.**

- 1131 latipes, G. O. Sars.  
     = Aceros distinguendus, Hansen.

**Acanthostepheia, Boeck.**

- 1132 Malmgreni, Goës.  
 1133 pulchra, Miers.

**Pleustes, Bate.**

- 1134 panoplus, Kröyer.

**Paramphithoe, Bruzelius.**

- 1135 pulchella, Kröyer.  
 1136 \*Boeckii, Hansen.  
 1137 bicuspis, Kröyer.  
     = Calliopius bidentatus, Norman.  
 1138 monocuspis, G. O. Sars.  
 1139 assimilis, G. O. Sars.  
 1140 \*brevicornis, G. O. Sars.  
 1141 megalops, Bucholz.  
 1142 cataphracta, Stimpson.

**Stenopleustes, G. O. Sars.**

- 1143 Malmgreni, Boeck.  
 1144 \*nodifer, G. O. Sars.

**Parapleustes, Buchholz.**

- 1145 glaber, Boeck.  
     = Parapleustes gracilis, Buchholz.  
 1146 \*pulchellus, G. O. Sars.  
 1147 latipes, M. Sars.

**Epimeria, Costa.**

- 1148 cornigera, Fabr.  
 1149 parasitica, M. Sars.  
 1150 tuberculata, G. O. Sars.  
 1151 loricata, G. O. Sars.  
     = E. conspicua, Stebbing.

**Acanthozone, Boeck.**

- 1152 cuspidata, Lepechin.  
     = A. hystrix, Owen.

**Acanthonotosoma, Boeck.**

- 1153 serratum, Fabr.  
 1154 cristatum, Owen.  
 1155 inflatum, Kröyer.

**Iphimedia, Rathke.**

- 1156 obesa, Rathke.  
 1157 \*minuta, G. O. Sars.

**Odius, Lilljeborg.**

- 1158 carinatus, Bate.

**Pereionotus, Bate and Westwood.**

- 1159 testudo, Montagu.

**Guernea, Chevreux.**

- 1160 \*coalita, Norman.  
     = G. lævis, Chevreux.

**Laphystius, Kröyer.**

- 1161 sturionis, Kröyer.

**Laphystiopsis, G. O. Sars.**

- 1162 planifrons, G. O. Sars.

**Argissa, Boeck.**

- 1163 \*hamatipes, Norman.  
     = A. typica, Boeck.

**Hyperiopsis, G. O. Sars.**

- 1164 Vöringii, G. O. Sars.

**Syrrhoë, Goës.**

- 1165 crenulata, Goës.  
 1166 fimbriata, Stebb. and Rob.

**Syrrhoites, G. O. Sars.**

- 1167 \*serrata, G. O. Sars.

**Bruzelia, Boeck.**

- 1168 typica, Boeck.  
 1169 \*tuberculata, G. O. Sars.

**Tiron, Lilljeborg.**

- 1170 acanthurus, Lilljeborg.  
     = \*Tessarops hastatus, Norman.



- Pardalisca, Kröyer.**  
 1171 cuspidata, Kröyer.  
 1172 tenuipes, G. O. Sars.  
 1173 abyssi, Boeck.  
**Pardaliscella, G. O. Sars.**  
 1174 Boekii, Malm.  
**Nicippe, Bruzelius.**  
 1175 tumida, Bruzelius.  
**Halice, Boeck.**  
 1176 abyssi, Boeck.  
**Eusirus, Kröyer.**  
 1177 cuspidatus, Kröyer.  
 1178 propinquus, G. O. Sars.  
 1179 longipes, Boeck.  
     = E. helvetiæ, Bate.  
 1180 leptocarpus, G. O. Sars.  
**Rhachotropis, S. I. Smith.**  
 1181 aculeata, Lepechin.  
 1182 Helleri, Boeck.  
 1183 macropus, G. O. Sars.  
 1184 leucophthalma, G. O. Sars.  
 1185 inflata, G. O. Sars.  
     = R. tumida, G. O. Sars.  
 1186 cataphracta, Stimpson.  
**Eusiroides, Della Valle.**  
 1187 \*Sarsi, Chevreux, M.  
 1188 \*Della-Vallei, Chevreux.  
**Bouveriella, Chevreux.**  
 1189 \*carcinophila, Chevreux.  
**Haliragoides, G. O. Sars.**  
 1190 \*inermis, G. O. Sars.  
**Halirages, Boeck.**  
 1191 fulvocinctus, M. Sars.  
 1192 quadridentatus, G. O. Sars.  
     = \*H. elegans, Norman.  
**Apherusa, Walker.**  
 1193 bispinosa, Bate.  
 1194 borealis, Boeck.  
 1195 tridentata, Bruzelius.  
 1196 \*megalops, G. O. Sars.  
 1197 Jurinii, H. M. Edw.  
     = Pherusa fucicola, Bate.  
     = Calliopius Norvegicus, Boeck.  
**Calliopius, Lilljeborg.**  
 1198 Rathkei, Zaddach.  
     = Calliope grandoculis, Bate, ♂.  
 1199 læviusculus, Kröyer.  
**Pontogeneia, Boeck.**  
 1200 inermis, Kröyer.  
**Laothoe, Boeck.**  
 1201 Meinerti, Boeck.

- Amphithopsis, Boeck.**  
 1202 longicaudata, Boeck.  
 1203 \*glacialis, Hansen.  
**Leptamphopus, G. O. Sars.**  
 1204 longimanus, Boeck.  
**Paratylus, G. O. Sars.**  
 1205 Swammerdamii, H. M. Edw.  
 1206 falcatus, Metzger.  
 1207 \*vedlomensis, Bate.  
 1208 Smitti, Goës.  
 1209 nordlandicus, Boeck.  
 1210 guttatus, Costa.  
**Atylus, Leach.**  
 1211 carinatus, Fabr.  
**Dexamine, Leach.**  
 1212 spinosa, Montagu.  
 1213 thea, Boeck.  
     = D. tenuicornis, Bate.  
**Tritaeta, Boeck.**  
 1214 gibbosa, Boeck.  
     = T. dolichonyx, Nebeski, ♂.  
**Melphidippa, Boeck.**  
 1215 spinosa, Goës.  
 1216 borealis, Boeck.  
**Melphidippella, G. O. Sars.**  
 1217 \*macra, Norman.  
     = M. longipes, Boeck.  
**Amathillina, Grimm.**  
 1218 cristata, Grimm.  
 1219 \*affinis, G. O. Sars.  
 1220 spinosa, Grimm.  
**Amathilla, Spence Bate.**  
 1221 homari, Fabri.  
     = Amathilla Sabini, Bate.  
 1222 angulosa, Rathke.  
**Gammaracanthus, Bate.**  
 1223 loricatus, Sabine.  
 1224 relictus, G. O. Sars.  
**Gmelina, Grimm.**  
 1225 costata, Grimm.  
 1226 Kusnekowi, Sowinsky.  
**Boeckia, Grimm.**  
 1227 spinosa, Grimm.  
**Pallasiella, G. O. Sars.**  
 1228 \*Kessleri, Dybowsky.  
 1229 quadrispinosa, Esmark.  
 1230 cancelloides, Gerstfeldt.  
 1231 \*latus, Dybowsky.  
**Ommatogammarus, Stebbing.**  
 1232 \*albinus, Dybowsky.  
 1233 \*flavus, Dybowsky.



**Pœkilogammarus, Stebbing.**

araneolus, Dybowsky.

- 1234 \*var. ephippiatus, Dybowsky.

**Echinogammarus, Stebbing.**

viridis, Dybowsky.

- 1235 \*var. violaceus, Dybowsky.

- 1236 verrucosus, Gerstfeldt.

- 1237 Berilloni, Costa.

- 1238 \*ahenus, Dybowsky.

**Carinogammarus, Stebbing.**

- 1239 Roeseli, Gervais.

**Gammarus, Fabricius.**

- 1240 marinus, Leach.

- 1241 locusta, Linné.

- 1242 Duebeni, Lilljeborg.

- 1243 pulex, De Geer.

= G. neglectus, G. O. Sars.

- 1244 \*testaceus, Dybowsky.

- 1245 fossarum, Koch.

- 1246 \*natator, S. I. Smith.

- 1247 \*limnæus, S. I. Smith.

- 1248 \*Simoni, Chevreux.

- 1249 \*annulatus, S. I. Smith.

- 1250 Delebesquei, Chev. and De Guerne.

- 1251 \*siriacus, Chevreux.

- 1252 \*Guernei, Chevreux.

- 1253 caspius, Pallas.

- 1254 hæmobaphes, Eichwald.

- 1255 aralensis, Uljanin.

- 1256 \*var. caspia, G. O. Sars.

- 1257 \*Warpachowskii, G. O. Sars.

- 1258 \*similis, G. O. Sars.

- 1259 crassus, Grimm.

- 1260 \*obesus, G. O. Sars.

- 1261 \*Grimmi, G. O. Sars.

- 1262 \*Weidemanni, G. O. Sars.

- 1263 mareoticus, Sowinsky.

- 1264 mucronatus, Say.

- 1265 pungens, H. M. Edw.

= G. \*veneris, Heller.

**Melita, Leach.**

- 1266 palmata, Montagu.

- 1267 obtusata, Mont.

- 1268 gladiosa, Bate.

- 1269 \*pellucida, G. O. Sars.

- 1270 dentata, Krøyer.

- 1271 \*angulata, S. I. Smith.

- 1272 \*nitida, S. I. Smith.

- 1273 orchestipes, Costa.

- 1274 Goësi, Hansen.

**Ceradocus, O. G. Costa.**

- 1275 fasciatus, O. G. Costa.

**Megaluropus, Norman.**

- 1276 \*agilis, Norman.

= Cheirocratus Drechsli, Meinert.

**Eriopisa, Stebbing.**

- 1277 elongata, Bruzelius.

**Niphargus, Schiödte.**

- 1278 subterraneus, Leach.

**Niphargoides, G. O. Sars.**

- 1279 caspius, Grimm.

**Mœra, Leach.**

- 1280 Othonis, H. M. Edw.

- 1281 Lovéni, Bruzelius.

- 1282 \*Batei, Norman.

= M. multidentata, Bate and West.

- 1283 semiserrata, Bate.

- 1284 grossimana, Montagu.

- 1285 truncatipes, Spinola.

= G. scissimana, Costa.

- 1286 \*lævis, S. I. Smith.

- 1287 Danai, Stimpson.

**Elasmopus, Costa.**

- 1288 rapax, Costa.

= Megamœra brevicaudata, Bate.

- 1289 pocillimanus, Bate.

**Isæa, H. Milne Edwards.**

- 1290 Montagui, H. M. Edw.

**Cheirocratus, Norman.**

- 1291 Sundevalli, Rathke.

- 1292 assimilis, Lilljeborg.

= C. \*mantis, Norman.

- 1293 robustus, G. O. Sars.

- 1294 intermedius, G. O. Sars.

**Gammarella.**

- 1295 brevicaudata, H. M. Edw.

= G. Normani, Bate and West, ♀.

**Lilljeborgia, Spence Bate.**

- 1296 pallida, Spence Bate.

- 1297 Kinahani, Bate.

- 1298 \*macronyx, G. O. Sars.

- 1299 fissicornis, M. Sars.

- 1300 \*picta, Norman.

**Idunella, G. O. Sars.**

- 1301 \*æquicornis, G. O. Sars.

**Microdeutopus, Costa.**

- 1302 anomalus, Rathke.

- 1303 danmoniensis, Bate.

- 1304 gryllotalpa, Costa.

= minax, Smith.



**Microdeutopus, Costa.**—continued.

- 1305 \*arcticus, Hansen.  
 1306 \*stationis, Della Valle.  
 1307 \*algicola, Della Valle.

**Stimpsonella, Della Valle.**

- 1308 chelifera, Bate.  
 1309 \*armata, Chevreux.

**Aora, Kröyer.**

- 1310 gracilis, Bate.

**Autonoe, Bruzelius.**

- 1311 Websteri, Bate.  
 1312 longipes, Lilljeborg.  
     = *M. bidentatus*, Stebbing.  
 1313 versiculata, Bate.  
 1314 megacheir, G. O. Sars.  
 1315 \*spiniventris, Della Valle.

**Protomedeia, Kröyer.**

- 1316 fasciata, Kröyer.

**Leptocheirus, Zaddach.**

- 1317 pilosus, Zaddach.  
 1318 hirsutimanus, Bate.  
 1319 pinguis, Stimpson.  
 1320 guttatus, Grube.  
 1321 Della-Vallei, Stebbing.  
     = *L. pilosus*, Della Valle.

**Microprotopus, Norman.**

- 1322 \*maculatus, Norman.  
 1323 \*longimanus, Chevreux.

**Gammaropsis, Lilljeborg.**

- 1324 erythropthalmus, Lilljeborg.  
 1325 melanops, G. O. Sars.  
 1326 palmata, Stebb. and Rob.  
     = *Podocерopsis palmata*, S. and R.  
 1327 \*dentata, Chevreux.

**Megamphopus, Norman.**

- 1328 \*cornutus, Norman.

**Photis, Kröyer.**

- 1329 Reinhardi, Kröyer.  
 1330 longicaudata, Bate.  
 1331 \*tenuicornis, G. O. Sars.

**Podocерopsis, Boeck.**

- 1332 Sophiæ, Boeck.  
     = *Nænia tuberculosa*, Bate.  
 1333 excavata, Bate.  
     = *N. rimapalmata*, Bate, ♂.

**Amphithoe, Leach.**

- 1334 rubricata, Montagu.  
 1335 penicillata, A. Costa.  
 1336 Vaillantii, Lucas.  
 1337 maculata, Stimpson.

**Pleonexes, Bate.**

- 1338 gammaroides, Bate.  
     = *Sunamphithoe hamulus*, Bate, ♀.

**Grubia, Czerniavsky.**

- 1339 crassicornis, A. Costa.  
 1340 \*hirsuta, Chevreux.

**Sunamphithoe, Bate.**

- 1341 conformata, Bate.

**Biancolina, Della Valle.**

- 1342 \*cuniculus, Stebbing.  
     = *B. algicola*, Della Valle.

**Jassa, Leach.**

- 1343 falcata, Mont.  
 1344 pusilla, O. G. Sars.  
 1345 Herdmani, Walker.  
     = \**P. odontonyx*, G. O. Sars.  
 1346 latipes, Kröyer.  
 1347 assimilis, G. O. Sars.  
 1348 brevicornis, G. O. Sars.  
 1349 ocia, Bate.  
 1350 tuberculata, Hoek.

**Parajassa, Stebbing.**

- 1351 pelagica, Leach.  
     = *Podocерus capillatus*, Rathke.

**Microjassa, Stebbing.**

- 1352 cumbrensis, Stebb. and Rob.

**Ischyrocerus, Kröyer.**

- 1353 anguipes, Kröyer.  
 1354 minutus, Lilljeborg.  
     = *Podocерus isopus*, Walker.  
 1355 megalops, G. O. Sars.  
 1356 \*megacheir, G. O. Sars.

**Erichthonius, H. M. Edwards.**

- 1357 abditus, Templeton.  
 1358 difformis, H. M. Edwards.  
 1359 Hunteri, Bate.

**Cerapopsis, Della Valle.**

- 1360 \*longipes, Della Valle.

**Cerapus, Say.**

- 1361 crassicornis, Bate.

**Siphonæcetes, Kröyer.**

- 1362 Colletti, Boeck.  
     = *S. typicus*, Bate and West.  
     = *S. mucronatus*, Metzger.  
 1363 pallidus, G. O. Sars.  
 1364 \*Della-Vallei, Stebbing.  
     = *S. typicus*, Della Valle.  
 1365 \*cuspidatus, S. I. Smith.

**Corophium, Latreille.**

- 1366 grossipes, Linné.  
 1367 crassicorne, Bruzelius.  
     = *C. spinicorne*, Bate.  
 1368 Bonellii, H. M. Edw.  
 1369 affine, Bruzelius.  
     = *C. tenuicorne*, Norman.  
 1370 acherusiaceum, A. Costa.  
 1371 \*runciforme, Della Valle.  
 1372 \*nobile, G. O. Sars.  
 1373 \*cheliforme, G. O. Sars.  
 1374 \*robustum, G. O. Sars.  
 1375 \*mucronatum, G. O. Sars.  
 1376 \*monodon, G. O. Sars.  
 1377 \*curvispinum, G. O. Sars.

**Unciola, Say.**

- 1378 leucopis, Kröyer.  
 1379 \*planipes, Norman.  
 1380 irrorata, Say.  
 1381 crenatipalma, Bate.  
     = *Dryope irrorata*, Bate, ♂.  
 1382 petalocera, G. O. Sars.

**Chelura, Philippi.**

- 1383 terebrans, Philippi.

**Colomastix, Grube.**

- 1384 pusilla, Grube.

**Neohela, S. I. Smith.**

- 1385 monstrosa, Boeck.

**Seba, Bate.**

- 1386 \*armata, Chevreux.

**Platophium, Dana.**

- 1387 \*chelonomophilum, Chev. and De Guerne.  
 1388 Darwini, Bate.

**Lætmatophilus, Bruzelius.**

- 1389 tuberculatus, Bruzelius.  
 1390 \*armatus, Norman.  
 1391 lævis, Heller.

**Xenodice, Boeck.**

- 1392 Frauenfeldti, Boeck.

**Dulichia, Kröyer.**

- 1393 falcata, Bate.  
 1394 porrecta, Bate.  
 1395 monacantha, Bate.  
 1396 spinosissima, Kröyer.  
 1397 tuberculata, Boeck.  
 1398 \*Normani, G. O. Sars.  
 1399 hirticornis, G. O. Sars.  
 1400 nordlandica, Boeck.

**Phthisica, Slabber.**

- 1401 marina, Slabber.  
     = *Proto pedata*, Leach.

**Protella, Dana.**

- 1402 phasma, Montagu.

**Ægina, Kröyer.**

- 1403 spinosissima, Stimpson.  
 1404 longicornis, Kröyer.

**Æginella, Boeck.**

- 1405 spinosa, Boeck.

**Periambus, Stebbing.**

- 1406 typicus, Kröyer.  
 1407 minutus, Mayer.  
 1408 Kröyeri, Heller.

**Caprella, Lamarck.**

- 1409 linearis, Linné.  
     = *C. lobata*, Bate.  
 1410 septentrionalis, Kröyer.  
     = *C. hystrix*, Bate.  
 1411 acutifrons, Latreille.  
 1412 acanthifera, Leach.  
     = *C. calva*, Bate and West.  
 1413 æquilibra, Say.  
 1414 \*fretensis, Stebbing.  
 1415 \*spinosissima, Norman.  
 1416 punctata, Boeck.  
     microtuberculata, G. O. Sars.  
     var. \*spinosa, Hansen.  
 1418 geometrica, Say.  
 1419 \*ciliata, G. O. Sars.  
 1420 dentata, Heller.  
 1421 \*grandimana, Mayer.  
 1422 \*liparotensis, Mayer.

**Parvipalpus, Chevreux.**

- 1423 \*capillaceus, Chevreux.

**Cyamus, Lamarck.**

- 1424 \*mysticeti, Lütken.  
 1425 \*monodontis, Lütken.  
 1426 \*nodosus, Lütken.  
 1427 ovalis, Rouss. de Vaux.  
 1428 \*globicipitis, Lütken.

**Paracyamus, G. O. Sars.**

- 1429 \*boopis, Lütken.

**Platycyamus, Lütken.**

- 1430 Thompsoni, Gosse.

**Order X.—XIPHOSURA.****Limulus, O. F. Müller.**

- 1431 polyphemus, Latreille.



## Order XI.—PHYLLOCARIDA.

*Nebalia*, Leach.

- 1432 *bipes*, Fabricius.  
1433 \**typhlops*, G. O. Sars.

## Order XII.—PHYLLOPODA.

*Limnetis*, Loven.

- 1434 *brachyura*, Müller.

*Limnadia*, Bronguiart.

- 1435 *lenticularis*, Linné.

*Estheria*, Straus.

- 1436 *cycladoides*, Joly.  
1437 *pesthinensis*, Bruhl.  
1438 *dehalacensis*, Ruppell.  
1439 *donaciformis*, Baird.  
1440 *tetracera*, Krinichi.  
1441 *Grubei*, Simon.

*Apus*, Schäffer.

- 1442 *cancriformis*, Schæffer.

*Lepidurus*, Leach.

- 1443 *productus*, Box.  
1444 *glacialis*, Kröyer.  
1445 *Lubbockii*, Brauer.

*Branchipus*, Latreille.

- 1446 *Grubei*, Dybowsky.  
1447 *Braueri*, Frauenfeldt.  
1448 *Middendorffianus*, Fischer.  
1449 *ferox*, H. M. Edw.  
1450 *medius*, Schmank.

*Chirocephalus*, Prévost.

- 1451 *stagnalis*, Linné.  
1452 *diaphanus*, Prévost.  
1453 *carnuntanus*, Brauer.

*Branchinecta*, Verrill.

- 1454 *paludosa*, O. F. Müller.

*Streptocephalus*, Baird.

- 1455 *torvicornis*, Waga.

*Polyartemia*, Fischer.

- 1456 *forcipata*, Fischer.  
1457 \**Hayzeni*, Murdoch.

*Artemia*, Leach.

- 1458 *salina*, Fabricius.  
1459 \**urmiana*, A. T. Günther.

## Order XIII.—CLADOCERA.

*Sida*, Straus.

- 1460 *crystallina*, O. F. Müller.

*Limnosida*, G. O. Sars.

- 1461 *frontosa*, G. O. Sars,

*Diaphanosoma*, Seb. Fischer.

- 1462 *brachyurum*, Liévin.  
1463 *Leuchtenbergianum*, S. Fischer.

*Latona*, Straus.

- 1464 *setifera*, O. F. Müller.

*Holopedium*, Zaddach.

- 1465 *gibberum*, Zaddach.

*Daphnia*, O. F. Müller.

- 1466 *magna*, Straus.  
1467 \**pubescens*, G. S. Brady.  
1468 *pulex*, De Geer.  
1469 *var. ovata*, G. O. Sars.  
1470 *var. \*Schödleri*, G. O. Sars.  
1471 *var. obtusa*, Kurz.  
1472 *var. \*hamata*, G. S. Brady.  
1473 *var. Middendorffiana*, S. Fischer.  
1474 *longispina*, O. F. Müller.  
1475 *var. caudata*, Hellick.  
1476 *var. \*Leydigii*, G. O. Sars.  
1477 *var. \*rectispina*, G. O. Sars.  
1478 *var. \*carinata*, G. O. Sars.  
1479 *var. \*littoralis*, G. O. Sars.  
1480 *var. \*brevipennis*, G. O. Sars.  
1481 *var. \*rosea*, G. O. Sars.  
1482 *var. \*nasuta*, G. O. Sars.  
1483 *var. \*major*, Richard.  
1484 *var. \*tenuitesta*, G. O. Sars.  
1485 *var. \*affinis*, G. O. Sars.  
1486 \**lacustris*, G. O. Sars.  
1487 *var. \*aquilina*, G. O. Sars.  
1488 *var. \*alpina*, G. O. Sars.  
1489 \**galeata*, G. O. Sars.  
1490 *var. \*obtusifrons*, G. O. Sars.  
1491 *var. \*procumbens*, G. O. Sars.  
1492 *var. \*longicornis*, G. O. Sars.  
1493 *var. \*oxycephala*, G. O. Sars.  
1494 *hyalina*, Leydig.  
1495 *var. \*brachycephala*, G. O. Sars.  
1496 *var. \*vicina*, Richard.  
1497 *var. \*rotundifrons*, G. O. Sars.  
1498 *var. \*pellucida*, G. O. Sars.  
1499 *psittacea*, Baird.

*Hyalodaphnia*, Schödler.

- 1500 \**Jardinii*, Baird.  
1501 *var. \*cucullata*, G. O. Sars.  
1502 *var. \*grandiceps*, Norman.  
1503 *var. \*obtusata*, G. O. Sars.  
1504 *var. apicata*, Kurz.  
1505 *var. Kahlbergiensis*, Schödler.  
1506 *var. \*procurva*, Poppe.

**Cephaloxus, G. O. Sars.**

- 1507 \*cristatus, G. O. Sars.  
 1508 var. \*tenuirostris, G. O. Sars.  
 1509 var. \*laticeps, G. O. Sars.  
 1510 var. Cederströmii, Schödler.  
 1511 \*longiremis, G. O. Sars.

**Scapholeberis, Schödler.**

- 1512 mucronata, O. F. Müller.  
 1513 var. cornuta, Schödler.  
 1514 var. \*longispinosa.  
 1515 aurita, S. Fischer.  
       = S. obtusa, Schödler.  
 1516 \*microcephala, Lilljeborg (G. O. Sars.)

**Simocephalus, Schödler.**

- 1517 vetulus, O. F. Müller.  
 1518 exspinosus, Koch.  
 1519 var. congener, Schödler.  
 1520 serrulatus, Koch.

**Ceriodaphnia, Dana.**

- 1521 reticulata, Jurine.  
 1522 var. \*rosea, G. O. Sars.  
 1523 var. \*serrata, G. O. Sars.  
 1524 var. \*minor, G. O. Sars.  
 1525 megalops, G. O. Sars.  
 1526 laticaudata, P. E. Müller.  
 1527 rotunda, Straus.  
 1528 \*hamata, G. O. Sars.  
 1529 \*echinata, Moniez.  
 1530 pulchella, G. O. Sars.  
 1531 var. \*microcephala, G. O. Sars.  
 1532 quadrangula, O. F. Müller.

**Moina, Baird.**

- 1533 rectirostris, Leydig.  
       = M. Lilljeborgii, Schödler.  
 1534 brachiata, Jurine.  
 1535 Fischeri, Hellich.

**Bosmina, Baird.**

- 1536 longirostris, O. F. Müller.  
 1537 var. cornuta, Jurine.  
 1538 var. \*similis, Lilljeborg (G. O. Sars.)  
 1539 \*Dollfusi, Moniez.  
 1540 \*obtusirostris, G. O. Sars.  
 1541 var. nitida, G. O. Sars.  
 1542 var. maritima, P. E. Müller.  
 1543 var. arctica, Lilljeborg.  
 1544 var. \*lacustris, G. O. Sars.  
 1545 var. \*procumbens, G. O. Sars.  
 1546 var. \*minor, G. O. Sars.  
 1547 longispina, Leydig.

**Bosmina, Baird.—continued.**

- 1548 Lilljeborgii, G. O. Sars.  
       = B. mixta, Lilljeborg.  
 1549 var. \*humilis, Lilljeborg.  
 1550 brevicornis, P. E. Müller.  
 1551 bohémica, Hellich.  
 1552 \*brevispina, Lilljeborg (G. O. Sars.)  
 1553 \*berolinensis, Imhof.  
 1554 \*coregoni, Baird.  
 1555 var. \*thersites, Poppe.  
 1556 var. gibbera, Schödler.  
 1557 var. diaphana, P. E. Müller.  
 1558 \*crassicornis, Lilljeborg.

**Ophryoxus, G. O. Sars.**

- 1559 gracilis, G. O. Sars.  
 1560 var. spinifera, G. O. Sars.

**Ilyocryptus, G. O. Sars.**

- 1561 sordidus, Liévin.  
 1562 agilis, Kurz.  
 1563 acutifrons, G. O. Sars.

**Macrothrix, Baird.**

- 1564 laticornis, Jurine.  
 1565 rosea, Jurine.  
 1566 \*hirsuticornis, Nor. and Brad.  
 1567 var. \*arctica, G. O. Sars.

**Lathonura, Lilljeborg.**

- 1568 rectirostris, O. F. Müller.

**Streblocerus, G. O. Sars.**

- 1569 serraticaudatus, S. Fischer.

**Drepanothrix, G. O. Sars.**

- 1570 dentata, Euren.

**Acantholeberis, Lilljeborg.**

- 1571 curvirostris, O. F. Müller.

**Eurycercus, Baird.**

- 1572 lamellatus, O. F. Müller.

**Camptocercus, Baird.**

- 1573 rectirostris, Schödler.  
 1574 macrurus, O. F. Müller.  
 1575 Lilljeborgii, Schödler.

**Acroperus, Baird.**

- 1576 harpæ, Baird.  
 1577 \*angustatus, G. O. Sars.

**Alonopsis, G. O. Sars.**

- 1578 elongata, G. O. Sars.  
 1579 latissima, Kurz.

**Lynceus, O. F. Müller.**

- 1580 quadrangularis, O. F. Müller.  
 1581 var. sanguinea, P. E. Müller.  
 1582 affinis, Leydig.  
 1583 tenuicaudis, G. O. Sars.  
 1584 costatus, G. O. Sars.



**Lynceus, O. F. Müller.—continued.**

- 1585 guttatus, G. O. Sars.  
 1586 intermedius, G. O. Sars.  
 1587 lineatus, S. Fischer.  
 1588 rectangulus, G. O. Sars.  
 1589 elegans, Kurz.  
 1590 rostratus, Koch.  
 1591 parvulus, Kurz.

**Leptorhynchus, Herrich.**

- 1592 falcatus, G. O. Sars.

**Leydigia, Kurz.**

- 1593 Leydigii, Schödler.  
       = *S. quadrangularis*, Leydig.  
 1594 acanthocercoides, S. Fischer.

**Graptoleberis, G. O. Sars.**

- 1595 testudinarius, S. Fischer.

**Alonella, G. O. Sars.**

- 1596 excisa, S. Fischer.  
 1597 \*exigua, Lilljeborg.  
 1598 nana, Baird.

**Peracantha, Baird.**

- 1599 truncata, O. F. Müller.

**Pleuroxus, Baird.**

- 1600 lævis, G. O. Sars.  
 1601 striatus, Schödler.  
 1602 trigonellus, O. F. Müller.  
 1603 uncinatus, Baird.  
 1604 aduncus, Jurine.

**Chydorus, Baird.**

- 1605 globosus, Baird.  
 1606 ovalis, Kurz.  
 1607 latus, G. O. Sars.  
 1608 \*Letourneuxi, Richard.  
 1609 sphæricus, O. F. Müller.  
       var. *cælatus*, Schödler.  
 1611 \*piger, G. O. Sars.  
 1612 \*barbatus, G. S. Brady.  
 1613 \*gibbus, Lilljeborg.

**Monospilus, G. O. Sars.**

- 1614 tenuirostris, S. Fischer.

**Anchistropus, G. O. Sars.**

- 1615 emarginatus, G. O. Sars.

**Bythotrephes, Leydig.**

- 1616 longimanus, Leydig.  
 1617 Cederströmii, Schödler.

**Cercopagis, G. O. Sars.**

- 1618 \*socialis, G. O. Sars.  
 1619 \*tenera, G. O. Sars.  
 1620 \*anonyx, G. O. Sars.

**Apagis, G. O. Sars.**

- 1621 \*cylindrata, G. O. Sars.

**Polyphemus, O. F. Müller.**

- 1622 pediculus, Linné.  
 1623 \*exiguus, G. O. Sars.

**Podon, Lilljeborg.**

- 1624 \*intermedius, Lilljeborg.  
 1625 polyphemoides, Leuckart.  
       = *P. minutus*, G. O. Sars.  
 1626 Leuckartii, G. O. Sars.

**Evadne, Lovén.**

- 1627 Nordmanni, Lovén.  
 1628 spinifera, P. E. Müller.  
 1629 \*producta, G. O. Sars.  
 1630 \*trigona, G. O. Sars.  
 1631 \*anonyx, G. O. Sars.

**Leptodora, Lilljeborg.**

- 1632 Kindti, Focke.

**Order XIV.—BRANCHIURA.****Argulus, O. F. Müller.**

- 1633 foliaceus, Linné.  
 1634 coregoni, Thorell.  
 1635 laticauda, S. I. Smith.

**Order XV.—OSTRACODA.****Cypria, Zenker.**

- 1636 ophthalmica, Jurine.  
 1637 \*lacustris, Lilljeborg.  
 1638 exsculpta, S. Fischer.

**Cyclocypria, Brady and Norman.**

- 1639 globosa, G. O. Sars.  
 1640 lævis, O. F. Müller.  
 1641 serena, Koch.

**Scottia, Brady and Norman.**

- 1642 Browniana, T. R. Jones.

**Cypria, O. F. Müller.**

- 1643 fuscata, Jurine.  
 1644 pubera, O. F. Müller.  
 1645 virens, Jurine.  
       var. \**Helena*, Moniez.  
 1647 iucongruens, Rambohr.  
 1648 elliptica, Baird.  
 1649 reticulata, Zaddach.  
 1650 obliqua, Brady.  
 1651 ornata, O. F. Müller.  
 1652 clavata, Baird.  
 1653 \*trigonella, G. S. Brady.  
 1654 crassa, O. F. Müller.  
 1655 bispinosa, Lucas.

**Cyprinotus, G. S. Brady.**

- 1656 prasinus, S. Fischer.  
 = \*C. salinus, G. S. Brady.  
 1657 var. fretensis, Brady and Rob.

**Stenocypris, G. O. Sars.**

- 1658 fasciata, O. F. Müller.  
 1659 \*Fischeri, Lilljeborg.

**Cyprois, Zencker.**

- 1660 marginata, Straus.  
 " = C. flava, Zaddach.

**Notodromas, Lilljeborg.**

- 1661 monachus, O. F. Müller.  
 1662 \*Madaraszi, Orley.

**Herpetocypris, Brady and Norman.**

- 1663 reptans, Baird.  
 1664 strigata, O. F. Müller.  
 1665 \*tumefacta, Bra. and Rob.  
 1666 \*glacialis, G. O. Sars.  
 1667 \*brevicaudata, Kaufmann.  
 1668 \*intermedia, Kaufmann.

**Prionocypris, Brad. and Norm.**

- 1669 \*serrata, Norman.

**Ilyodromus, G. O. Sars.**

- 1670 \*olivaceus, Brad. and Norm.  
 1671 \*Robertsoni, Brad. and Norm.

**Ilyocypris, Brad. and Norm.**

- 1672 gibba, Rambohr.  
 1673 Bradii, G. O. Sars.  
 1674 \*inermis, Kaufmann.

**Microcypris, Kaufmann.**

- 1675 \*reptans, Kaufmann.

**Pionocypris, Brady and Norman.**

- 1676 vidua, O. F. Müller.  
 1677 var. \*obesa, Brad. and Robert.  
 1678 picta, Straus.

**Cypridopsis, G. S. Brady.**

- 1679 \*smaragdina, Vavra.  
 1680 aculeata, Costa.  
 1681 villosa, Jurine.  
 1682 Newtoni, Brad. and Robert.  
 1683 \*variegata, Brad. and Norm.  
 1684 \*tumida, Kaufmann.  
 1685 \*elongata, Kaufmann.

**Potamocypris, G. S. Brady.**

- 1686 fulva, G. S. Brady.

**Paracypridopsis, Kaufmann.**

- 1687 \*Zschokkei, Kaufmann.

**Candona, Baird.**

- 1688 candida, O. F. Müller.  
 1689 \*Mülleri, Hartwig.  
 1690 neglecta, G. O. Sars.  
 1691 \*Studeri, Kaufmann.  
 1692 \*Weltneri, Hartwig.  
 1693 lactea, Baird.  
 1694 \*Protzi, Hartwig.  
 1695 acuminata, Fischer.  
 1696 \*elongata, Brad. and Norm.  
 1697 \*fragilis, Hartwig.  
 1698 \*Holzkampi, Hartwig.  
 1699 fabæformis, S. Fischer.  
 1700 \*reniformis, Hartwig.  
 1701 compressa, Koch.  
 1702 \*rostrata, Brad. and Norm.  
 1703 \*lobipes, Hartwig.  
 1704 pubescens, Koch.  
 1705 \*marchica, Hartwig.  
 1706 \*stagnalis, G. O. Sars.  
 1707 \*Zenckeri, G. O. Sars.  
 1708 \*caudata, Kaufmann.  
 1708a \*Harmsworthi, G. S. Brady.

**Paracandona, Hartwig.**

- 1709 \*euplectella, Robertson.

**Cryptocandona, Kaufmann.**

- 1710 \*Vavrai, Kaufmann.

**Candonopsis, Vavra.**

- 1711 Kingsleei, Brad. and Rob.

**Pontocypris, G. O. Sars.**

- 1712 acupunctata, G. S. Brady.  
 1713 trigonella, G. O. Sars.  
 1714 succinea, G. W. Müller.  
 1715 setosa, G. W. Müller.  
 1716 pellucida, G. W. Müller.

**Erythrocypris, G. W. Müller.**

- 1717 frequens, G. W. Müller.  
 1718 \*mytiloides, Norman.  
 1719 hispida, G. O. Sars.

**Anchistrocheles, Brady and Norman.**

- 1720 \*acerosa, G. S. Brady.

**Argillœcia, G. O. Sars.**

- 1721 cylindrica, G. O. Sars.

**Macrocypris, G. S. Brady.**

- 1722 minna, Baird.  
 1723 angusta, G. O. Sars.  
 1724 siliquosa, G. S. Brady.  
 1725 decora, G. S. Brady.



**Bairdia, M'Coy.**

- 1726 \*inflata, Norman.  
 1727 \*acanthigera, G. S. Brady.  
 1728 \*subcircinata, Brad. and Norm.  
 1729 victrix, G. S. Brady.  
 1730 Crosskeyana, G. S. Brady.  
 1731 hirsuta, G. S. Brady.  
 1732 mediterranea, G. W. Müller.  
 1733 decipiens, G. W. Müller.  
 1734 serrata, G. W. Müller.

**Bythocypris, G. S. Brady.**

- 1735 complanata, G. S. Brady.  
 1736 obtusata, G. O. Sars.  
 1737 Bosquetiana, G. S. Brady.

**Darwinula, Brady and Robertson.**

- 1738 \*Stevensoni, Brad. and Rob.

**Limnocythere, G. S. Brady.**

- 1739 inopinata, Baird.  
 1740 incisa, Dahl.  
 1741 \*relicta, Lilljeborg.  
 1742 Sancti-Patricii, Brad. and Robt.  
 1743 \*compressa, Brad. and Norm.  
 1744 \*monstrifica, Norman.

**Metacypris, Brady and Robertson.**

- 1745 \*cordata, Brad. and Robt.

**Cythere, O. F. Müller.**

- 1746 lutea, O. F. Müller.  
 1747 cyamos, nov. nom.  
     =C. viridis, G. O. Sars.  
 1748 \*pellucida, Baird.  
 1749 \*confusa, Brad. and Norm.  
 1750 porcellanea, G. S. Brady.  
 1751 \*Macallana, Brad. and Robt.  
 1752 \*tenera, G. S. Brady.  
 1753 \*badia, Norman.  
 1754 crispata, G. S. Brady.  
 1755 semipunctata, G. S. Brady.  
 1756 \*teres, G. S. Brady.  
 1757 sulcifera, G. S. Brady.  
 1758 \*corpulenta, Brad. and Norm.  
 1759 gibbosa, Brad. and Robt.  
 1760 \*rubida, G. S. Brady.  
 1761 oblonga, G. S. Brady.  
 1762 \*leioderma, Norman.  
 1763 Robertsoni, G. S. Brady.  
 1764 convexa, Baird.  
 1765 Speyeri, G. S. Brady.  
 1766 \*marginata, Norman.  
 1767 \*limicola, Norman.

**Cythere, O. F. Müller.—continued.**

- 1768 cuneiformis, G. S. Brady.  
 1769 \*navicula, Norman.  
 1770 globulifera, G. S. Brady.  
 1771 cluthæ, Brad., Crossk. and Robt.  
 1772 \*complexa, G. S. Brady.  
 1773 villosa, G. O. Sars.  
 1774 pulchella, G. S. Brady.  
 1775 borealis, G. S. Brady.  
 1776 fuscata, G. S. Brady.  
 1777 \*septentrionalis, G. S. Brady.  
 1778 albomaculata, Baird.  
 1779 echinata, G. O. Sars.  
 1780 acanthoderma, G. S. Brady.  
 1781 dictyon, G. S. Brady.  
 1782 dasyderma, G. S. Brady.  
 1783 scabrocuneata, G. S. Brady.  
 1784 latimarginata, Speyer.  
 1785 \*lepida, Brad. and Norm.  
 1786 crenulata, G. O. Sars.  
 1787 quadridentata, Baird.  
 1788 \*emaciata, G. S. Brady.  
 1789 runcinata, Baird.  
 1790 tuberculata, G. O. Sars.  
 1791 concinna, T. R. Jones.  
 1792 \*dubia, G. S. Brady.  
 1793 emarginata, G. O. Sars.  
 1794 finmarchica, G. O. Sars.  
 1795 \*costata, G. S. Brady.  
 1796 angulata, G. O. Sars.  
 1797 mucronata, G. O. Sars.  
 1798 canadensis, G. S. Brady.  
 1799 \*audax, Brad. and Norm.  
 1800 mirabilis, G. S. Brady.  
 1801 \*dunelmensis, Norman.  
 1802 antiquata, Baird.  
 1803 \*Whitei, Baird.  
 1804 Jonesii, Baird.  
 1805 \*Milne-Edwardsi, Brad. and Norm.  
 1806 margaritifera, G. W. Müller.

**Cytheridea, Bosquet.**

- 1807 \*elongata, G. S. Brady.  
 1808 papillosa, Bosquet.  
 1809 \*punctillata, G. S. Brady.  
 1810 torosa, T. R. Jones.  
     var. littoralis, G. S. Brady.  
 1812 \*stigmosa, Brad. and Norm.  
 1813 lacustris, G. O. Sars.  
 1814 \*subflavescens, G. S. Brady.  
 1815 \*fascis, Brad. and Norm.  
 1816 Sorbyana, T. R. Jones.

**Eucythere, G. O. Sars.**

- 1817 \*declivis, Norman.  
 1818 var. prava, Brad. and Robt.  
 1819 var. argus, G. O. Sars.

**Krithe, Brady, Crosskey and Robertson.**

- 1820 bartonensis, T. R. Jones.  
 1821 producta, G. S. Brady.  
 1822 \*angusta, Brad. and Norm.  
 1823 reniformis, G. S. Brady.  
 1824 glacialis, Brad., Cross. and Rob.

**Loxoconcha, G. O. Sars.**

- 1825 impressa, Baird.  
 1826 viridis, O. F. Müller.  
 1827 \*guttata, Norman.  
 1828 \*multifora, Norman.  
 1829 tamarindus, T. R. Jones.  
       = \*C. lævata, Norman.  
 1830 pusilla, Brad. and Rob.  
 1831 fragilis, G. O. Sars.

**Xestobeberis, G. O. Sars.**

- 1832 aurantia, Baird.  
 1833 depressa, G. O. Sars.  
 1834 labiata, Brad. and Rob.  
 1835 margaritea, G. S. Brady.  
 1836 sexmaculata, G. W. Müller.

**Cytherura, G. O. Sars.**

- 1837 gibba, O. F. Müller.  
 1838 cornuta, G. S. Brady.  
 1839 affinis, G. O. Sars.  
 1840 sella, G. O. Sars.  
 1841 acuticostata, G. O. Sars.  
 1842 striata, G. O. Sars.  
 1843 \*exserta, Brad. and Norm.  
 1844 \*angulata, G. S. Brady.  
 1845 \*atra, G. O. Sars.  
 1846 undata, G. O. Sars.  
 1847 \*producta, G. S. Brady.  
 1848 \*grœnlandica, Brad. and Norm.  
 1849 nigrescens, Baird.  
 1850 \*simplex, Brad. and Norm.  
 1851 \*concentrica, Brad., Cross. and Rob.  
 1852 similis, G. O. Sars.  
 1853 rudis, G. S. Brady.  
 1854 fulva, Brad. and Rob.  
 1855 clathrata, G. O. Sars.  
 1856 \*cellulosa, Norman.  
 1857 \*acris, G. S. Brady.  
 1858 punctata, G. W. Müller.  
 1859 mediterranea, G. W. Müller.  
 1860 sulcata, G. W. Müller.

**Cytherura, G. O. Sars.—continued.**

- 1861 paradoxa, G. W. Müller.  
 1862 incongruens, G. W. Müller.  
 1863 reticulata, G. W. Müller.  
 1864 neglecta, G. W. Müller.  
**Cytheropteron, G. O. Sars.**  
 1865 \*latissimum, Norman.  
 1866 nodosum, G. S. Brady.  
 1867 pyramidzle, G. S. Brady.  
 1868 \*inflatum, Brad., Cross. and Rob.  
 1869 subcircinatum, G. O. Sars.  
 1870 \*læve, Brad. and Norm.  
 1871 \*punctatum, G. S. Brady.  
 1872 \*crassipinnatum, Brad. and Norm.  
 1873 hamatum, G. O. Sars.  
 1874 alatum, G. O. Sars.  
 1875 mucronulatum, G. S. Brady.  
 1876 \*arcuatum, Brad., Cross. and Rob.  
       (fossil only).  
 1877 \*montrosiense, Brad., Cross. and Rob.  
       (fossil only).  
 1878 angulatum, Brad. and Rob.  
 1879 \*depressum, Brad. and Norm.  
 1880 testudo, G. O. Sars.  
 1881 \*humile, Brad. and Norm.

**Bythocythere, G. O. Sars.**

- 1882 constricta, G. O. Sars.  
 1883 turgida, G. O. Sars.  
 1884 insignis, G. O. Sars.  
 1885 \*bicristata, Brad. and Norm.  
 1886 recta, G. S. Brady.  
 1887 \*dromedaria, G. O. Sars.  
 1888 \*simplex, Norman.  
 1889 \*recurva, Brad. and Norm.

**Pseudocythere, G. O. Sars.**

- 1890 caudata, G. O. Sars.

**Selerochilus, G. O. Sars.**

- 1891 \*contortus, Norman.  
 1892 æquus, G. W. Müller.

**Cytherideis, T. R. Jones.**

- 1893 subulata, G. S. Brady.  
 1894 foveolata, G. S. Brady.

**Machærina, Brady and Norman.**

- 1895 \*tenuissima, Norman.  
 1896 amygdaloides, G. S. Brady.

**Cytherois, G. W. Müller.**

- 1897 Fischeri, G. O. Sars.  
 1898 vitrea, G. O. Sars.

**Paradoxostoma, S. Fischer.**

- 1899 variabile, Baird.  
 1900 \*ensiforme, G. S. Brady.



**Paradoxostoma, S. Fischer.**—continued.

- 1901 abbreviatum, G. O. Sars.  
 1902 obliquum, G. O. Sars.  
 1903 \*Normani, G. S. Brady.  
 1904 pulchellum, G. O. Sars.  
 1905 \*hibernicum, G. S. Brady.  
 1906 \*fasciatum, Brad. and Norm.  
 1907 Hodgei, G. S. Brady.  
 1908 \*productum, Brad. and Nor.  
 1909 \*orchadense, Brad. and Rob.  
 1910 \*arcuatum, G. S. Brady.  
 1911 flexuosum, G. S. Brady.  
 1912 \*inflexum, Brad. and Nor.  
 1913 cylindricum, G. W. Müller.  
 1914 planum, G. W. Müller.

**Crossophorus, G. S. Brady.**

- 1915 imperator, G. S. Brady.

**Cypridina, H. Milne Edwards.**

- 1916 norvegica, Baird.  
 1917 \*megalops, G. O. Sars.  
 1918 mediterranea, O. G. Costa.

**Philomedes, Lilljeborg.**

- 1919 brenda, Baird.  
 1920 interpuncta, Baird.  
 1921 Lilljeborgii, G. O. Sars.  
 1922 Macandrei, Baird.  
 1923 Folini, G. S. Brady.

**Pseudophilomedes, G. W. Müller.**

- 1924 foveolata, G. W. Müller.

**Asterope, Philippi.**

- 1925 Mariæ, Baird.  
 1926 elliptica, Philippi.  
 1927 \*norvegica, G. O. Sars.  
 1928 \*abyssicola, G. O. Sars.  
 1929 \*teres, Norman.

**Rutiderma, Brady and Norman.**

- 1930 \*compressa, Brad. and Nor.

**Sarsiella, Norman.**

- 1931 \*capsula, Norman.  
       = \*Nematohamma obliqua, Brad.  
       and Nor. ♂.

- 1932 \*globulus, Brad. and Nor.

**Conchœcia, Dana.**

- 1933 \*elegans, G. O. Sars.  
 1934 \*borealis, G. O. Sars.  
 1935 \*maxima, Brad. and Nor.  
 1936 magna, Claus.  
 1937 \*obtusata, G. O. Sars.  
 1938 \*Haddonii, Brad. and Nor.  
 1939 spinirostris, Claus.

**Conchœcilla, Claus.**

- 1940 daphnoides, Claus.  
 1941 \*lacerta, Brad. and Norm.

**Conchœcissa, Claus.**

- 1942 armata, Claus.

**Microconchœcia, Claus.**

- 1943 Clausii, G. O. Sars.

**Polycope, G. O. Sars.**

- 1944 orbicularis, G. O. Sars.  
 1945 \*dentata, G. S. Brady.

**Polycopsis, G. W. Müller.**

- 1946 compressa, Brad. and Rob.

**Cytherella, Bosquet.**

- 1947 \*serrulata, Brad. and Nor.  
 1948 abyssorum, G. O. Sars.  
       = C. scotica, G. S. Brady.  
 1949 lævis, G. S. Brady.

**Order XVI.—COPEPODA.****Calanus, Leach.**

- 1950 helgolandicus, Claus.  
 1951 finmarchicus, Gunner.  
 1952 hyperboreus, Krøyer.  
 1953 minor, Claus.  
 1954 gracilis, Dana.  
 1955 cristatus, Krøyer.  
 1956 tonsus, G. S. Brady.  
 1957 propinquus, G. S. Brady.

**Eucalanus, Dana.**

- 1958 elongatus, Dana.  
 1959 attenuatus, Dana.  
 1960 setiger, G. S. Brady.  
 1961 \*crassus, Giesbrecht.

**Rhincalanus, Dana.**

- 1962 \*nasutus, Giesbrecht.  
 1963 cornutus, Dana.  
 1964 gigas, G. S. Brady.

**Mecynocera, J. C. Thompson.**

- 1965 \*Clausii, J. C. Thompson.

**Paracalanus, Boeck.**

- 1966 parvus, Claus.  
 1967 var. \*perplexus, T. Scott.

**Calocalanus, Giesbrecht.**

- 1968 pavo, Dana.

**Clausocalanus, Giesbrecht.**

- 1969 arcuiformis, Dana.  
 1970 furcatus, G. S. Brady.

- Ctenocalanus**, Giesbrecht.  
1971 vanus, Giesbrecht.
- Pseudocalanus**, Boeck.  
1972 elongatus, Boeck.  
1973 \*major, G. O. Sars.  
1974 \*minor, G. O. Sars.  
1975 \*gracilis, G. O. Sars.
- Microcalanus**, G. O. Sars.  
1976 \*pygmæus, G. O. Sars.
- Spinocalanus**, Giesbrecht.  
1977 abyssalis, Giesbrecht.  
= \*longicornis, G. O. Sars.
- Ætideus**, G. S. Brady.  
1978 armatus, Boeck.
- Gaetanus**, Giesbrecht.  
1979 miles, Giesbrecht.  
1980 armiger, Giesbrecht.
- Bradyidius**, Giesbrecht.  
1981 armatus, Vanhoeff.
- Chiridius**, Giesbrecht.  
1982 obtusifrons, G. O. Sars.  
1983 armatus, Boeck.
- Undeuchæta**.  
1984 minor, Giesbrecht.
- Gaidius**, Giesbrecht.  
1985 \*tenuispinus, G. O. Sars.  
1986 \*brevispinus, G. O. Sars.
- Bryaxis**, G. O. Sars.  
1987 \*brevicornis, G. O. Sars.
- Euchirella**, Giesbrecht.  
1988 rostrata, Claus.
- Euchæta**, Philippi.  
1989 marina, Prestandria.  
1990 \*hebes, Giesbrecht.  
1991 \*acuta, Giesbrecht.  
1992 barbata, G. O. Brady.  
1993 norvegica, Boeck.  
1994 glacialis, Hansen.
- Phaenna**, Claus.  
1995 spinifera, Claus.
- Pseudophaenna**, G. O. Sars.  
1996 \*typica, G. O. Sars.
- Xanthocalanus**, Giesbrecht.  
1997 \*borealis, G. O. Sars.
- Undinella**, G. O. Sars.  
1998 \*oblonga, G. O. Sars.
- Scolecotrix**, G. S. Brady.  
1999 Danæ, Lubbock.  
2000 \*Bradyi, Giesbrecht.
- Scolecotrichella**, G. O. Sars.  
2001 minor, G. S. Brady.
- Amalophora**, T. Scott.  
2002 magna, T. Scott.  
2003 \*brevicornis, G. O. Sars.
- Diaixis**, G. O. Sars.  
2004 \*hibernica, A. Scott.  
2005 \*pygmæa, T. Scott.  
2006 vittata, Giesbrecht.
- Stephos**, T. Scott.  
2007 \*Fultoni, T. Scott.  
2008 Scotti, G. O. Sars.  
= \*gyrans, T. Scott.  
2009 \*lamellatus, G. O. Sars.  
2010 \*minor, T. Scott.
- Parastephos**, G. O. Sars.  
2011 pallidus, G. O. Sars.
- Thyrabis**, G. O. Sars.  
2012 \*macrophthalma, G. O. Sars.
- Pseudocyclopia**, T. Scott.  
2013 \*crassicornis, T. Scott.  
2014 \*caudata, T. Scott.
- Centropages**, Kröyer.  
2015 typicus, Kröyer.  
2016 hamatus, Lilljeborg.  
2017 \*Kröyeri, Giesbrecht.  
2018 Chierchiæ, Giesbrecht.  
2019 violaceus, Claus.
- Isias**, Boeck.  
2020 clavipes, Boeck.
- Boeckella**, De Guerne and Richard.  
2021 \*orientalis, G. O. Sars.
- Limnocalanus**, G. O. Sars.  
2022 macrurus, G. O. Sars.  
2023 Grimaldii, De Guerne.
- Hemidiaptomus**, G. O. Sars.  
2024 \*Ignatovi, G. O. Sars.
- Diaptomus**, Westwood.  
2025 \*acutilobatus, G. O. Sars.  
2026 \*amblyodon, Marenzeller.  
2027 asiaticus, Uljanin.  
2028 \*bacillifer, Koelbel.  
2029 castor, Jurine.  
2030 denticornis, Wierz.  
2031 \*var. minor, G. O. Sars.



**Diaptomus, Westwood.**—continued.

- 2032 gracilis, G. O. Sars.  
 2033 \*graciloides, Lilljeborg.  
 2034 \*hircus, G. S. Brady.  
 2035 \*incrassatus, G. O. Sars.  
 2036 \*laciniatus, Lilljeborg.  
 2037 \*laticeps, G. O. Sars.  
 2038 lobatus, Lilljeborg.  
 2039 \*minutus, Lilljeborg.  
 2040 \*Paulsoni, G. O. Sars.  
 2041 salinus, Daday.  
 2042 vulgaris, Schmeil.  
 2043 Wierzejskii, J. Richard.  
 2044 \*Zachariae, Poppe.

**Poppella, J. Richard.**

- 2045 Guernei, J. Richard.

**Temora, Baird.**

- 2046 longicornis, Müller.  
 2047 discaudata, Giesbrecht.  
 2048 stylifera, Dana.

**Eurytemora, Giesbrecht.**

- 2049 affinis, Poppe.  
 2050 velox, Lilljeborg.  
 2051 hirundo, Giesbrecht.  
 2052 hirundoides, Giesbrecht.  
 2053 lacustris, Poppe.  
 2054 \*Grimmi, G. O. Sars.  
 2055 Herdmani, Thompson & Scott.

**Heterocope, G. O. Sars.**

- 2056 \*saliens, Lilljeborg.  
 2057 borealis, S. Fischer.  
 2058 \*appendiculata, G. O. Sars.  
 2059 \*caspia, G. O. Sars.

**Epischura, S. Forbes.**

- 2060 \*Nordenskiöldi, Lilljeborg.  
 2061 \*baikalensis, G. O. Sars.

**Metridia, Boeck.**

- 2062 longa, Lubbock.  
 2063 lucens, Boeck.  
 2064 \*Normani, Giesbrecht.  
 2065 princeps, Boeck.

**Pleuromamma, Giesbrecht.**

- 2066 abdominale, Lubbock.  
 2067 gracilis, Claus.  
 2068 robusta, Dall.  
 2069 xiphias, Giesbrecht.

**Lucicutia, Giesbrecht.**

- 2070 flavicornis, Claus,

**Heterorhabdus, Giesbrecht.**

- 2071 spinifrons, Claus.  
 2072 papilliger, Claus.  
 2073 Norvegicus, Boeck.

**Haloptilus, Giesbrecht.**

- 2074 longicornis, Claus.

**Augaptilus, Giesbrecht.**

- 2075 longicaudatus, Claus.  
 2076 hecticus, Giesbrecht.

**Paramisophria, T. Scott.**

- 2077 \*cluthæ, T. Scott.

**Phyllopus, Brady.**

- 2078 bidentatus, Brady.

**Pseudocyclops, G. S. Brady.**

- 2079 obtusatus, Brady and Robertson.

**Candacia, Dana.**

- 2080 norvegica, Boeck.  
 2081 armata, Boeck.  
 2082 pachydactyla, Dana.  
 2083 \*varicans, Giesbrecht.  
 2084 bispinosus, Claus.  
 2085 \*simplex, Giesbrecht.  
 2086 longimana, Claus.

**Labidocera, Lubbock.**

- 2087 Wollastoni, Lubbock.  
 2088 brunescens, Czerniavsky.  
 2089 acuta, Dana.

**Pontella, Dana.**

- 2090 atlantica, H. Milne Edwards.  
 2091 \*Lobiancoi, Giesbrecht.  
 2092 securifrons, G. S. Brady.  
 2093 mediterranea, Claus.

**Anomalocera, R. Templeton.**

- 2094 Pattersoni, Templeton.

**Pontellopsis, G. S. Brady.**

- 2095 villosa, G. S. Brady.

**Pontellina, Dana.**

- 2096 plumata, Dana.

**Parapontella, G. S. Brady.**

- 2097 brevicornis, Lubbock.

**Acartia, Dana.**

- 2098 Clausi, Giesbrecht.  
 2099 longiremis, Lilljeborg.  
 2100 discaudata, Giesbrecht.  
 2101 biflosa, Giesbrecht.  
 2102 var. intermedia, Poppe.  
 2103 laxa, Dana.

**Paracartia, T. Scott.**

2104 \*grani, G. O. Sars.

**Tortanus, Giesbrecht.**

2105 discaudatus, T. and A. Scott.

**Euryte, Philippi.**

2106 longicauda, Philippi.

**Oithona, Claus.**

2107 similis, Claus.

2108 plumifera, Dana.

2109 nana, Giesbrecht.

**Cyclopina, Claus.**

2110 littoralis, G. S. Brady.

2111 gracilis, Claus.

2112 \*Schneideri, T. Scott.

**Halicyclops, Norman.**

2113 æquoreus, Lilljeborg.

**Cyclops, O. F. Müller.**

2114 affinis, G. O. Sars.

2115 albidus, Jurine.

2116 bicolor, G. O. Sars.

2117 bicuspidatus, Claus.

2118 var. helgolandicus, Rehberg.

2119 var. Lubbockii, Brady.

2120 bistriatus, Koch.

2121 bisetosus, Rehberg.

2122 \*Brucei, T. Scott.

2123 capillatus, G. O. Sars.

2124 \*Clausii, Heller.

2125 crassicaudis, G. O. Sars.

2126 crassus, S. Fischer.

2127 diaphanus, S. Fischer.

2128 var. dengizeca, Lepeschkin.

2129 fimbriatus, S. Fischer.

2130 fuscus, Jurine.

2131 gigas, Claus.

2132 \*gracilis, Lilljeborg.

2133 hyalinus, Rehberg.

2134 insignis, Claus.

2135 languidoides, Lilljeborg.

2136 languidus, G. O. Sars.

2137 Leuckarti, Claus.

2138 \*longisetosus, Nordquist.

2139 robustus, G. O. Sars.

2140 macrurus, G. O. Sars.

2141 oithonoides, G. O. Sars.

2142 phaleratus, Koch.

2143 prasinus, S. Fischer.

2144 scutifer, G. O. Sars.

2145 serrulatus, S. Fischer.

**Cyclops, O. F. Müller.—continued.**

2146 strenuus, S. Fischer.

2147 var. Ewarti, G. S. Brady.

2148 var. abyssorum, G. O. Sars.

2149 var. lacustris, G. O. Sars.

2150 var. gracilipes, G. O. Sars.

2151 varicans, G. O. Sars.

2152 varius, Lilljeborg.

2153 var. brachyurus, Lilljeborg.

2154 var. speratus, Lilljeborg.

2155 varicans, G. O. Sars.

2156 vernalis, S. Fischer.

2157 vicinus, Uljanin.

2158 viridis, S. Fischer.

**Notodelphys, Allman.**

2159 Allmani, Thorell.

2160 cærulea, Thorell.

2161 agilis, Thorell.

2162 prasina, Thorell.

**Doropygus, Thorell.**

2163 pulex, Thorell.

2164 auritus, Thorell.

2165 Normani, G. S. Brady.

**Notopterophorus, Costa.**

2166 papilio, Hesse.

2167 elatus, Costa.

2168 elongatus, Costa.

2169 gibber, Thorell.

**Bonneriella, Canu.**

2170 longipes, Kerschner.

**Gunetotrophus, Costa.**

2171 globularis, Costa.

**Doroixys, Kerschner.**

2172 uncinata, Kerschner.

**Botachus, Thorell.**

2173 cylindratus, Thorell.

**Ascidicola, Thorell.**

2174 rosea, Thorell.

**Aplostoma, Canu.**

2175 brevicauda, Canu.

2176 \*eruca, Norman.

= Beaumonti, T. Scott.

**Enterocola, J. Van Beneden.**

2177 fulgens, J. Van Beneden.

**Lamippe, Giesbrecht.**

2178 proteus, Claparede.

2179 alcyonii, Joliet.

2180 \*Forbesi, T. Scott.



- Jeanella, T. Scott.**  
 2181 \*minor, T. Scott.  
**Botryllophilus, Hesse.**  
 2182 ruber, Hesse.  
**Misophria, Boeck.**  
 2183 pallida, Boeck.  
**Longipedia, Boeck.**  
 2184 coronata, Claus.  
 2185 Scotti, G. O. Sars.  
 2186 \*minor, T. Scott.  
 2187 \*rosea, G. O. Sars.  
**Canuella, T. and A. Scott.**  
 2188 \*perplexa, T. and A. Scott.  
 2189 \*furcigera, G. O. Sars.  
**Eucanuella, T. Scott.**  
 2190 \*spinifera, T. Scott.  
**Cervinia, Norman.**  
 2191 \*Bradii, Norman.  
**Cerviniopsis, G. O. Sars.**  
 2192 \*clavicornis, G. O. Sars.  
**Synaristes, Hesse.**  
 2193 paguri, Hesse.  
**Pterinopsyllus, G. S. Brady.**  
 2194 insignis, G. S. Brady.  
**Zosime, Boeck.**  
 2195 typica, Boeck.  
**Ectinosoma, Boeck.**  
 2196 curticorne, Boeck.  
 2197 \*elongatum, G. O. Sars.  
 2198 erythrops, G. S. Brady.  
 2199 \*finmarcium, T. Scott.  
 2200 \*gracile, T. and A. Scott.  
 2201 \*Herdmani, T. and A. Scott.  
 2202 melaniceps, G. S. Brady.  
 2203 \*neglectum, G. O. Sars.  
 2204 \*Normani, T. and A. Scott.  
 2205 \*propinquum, T. and A. Scott.  
 2206 \*pygmæun, T. and A. Scott.  
 2207 Sarsi, Boeck.  
**Microsetella, Brady and Robertson.**  
 2208 norvegica, Boeck.  
**Bradya, Boeck.**  
 2209 typica, Boeck.  
 2210 \*dilatata, G. O. Sars.  
**Pseudobradia, G. O. Sars.**  
 2211 \*elegans, T. and A. Scott.  
 2212 \*similis, T. and A. Scott.  
 2213 \*fusca, T. and A. Scott.  
 2214 \*hirsuta, T. and A. Scott.  
 2215 \*minor, T. and A. Scott.
- Euterpina, Norman.**  
 2216 acutifrons, Claus.  
**Tachidius, Lilljeborg.**  
 2217 discipes, Giesbrecht.  
 2218 littoralis, Poppe.  
**Robertsonia, G. S. Brady.**  
 2219 tenuis, Brady and Rob.  
**Clytemnestra, Dana.**  
 2220 rostrata, G. S. Brady.  
**Miracia, Dana.**  
 2221 \*minor, T. Scott.  
**Huntemannia, Poppe.**  
 2222 jadensis, Poppe.  
**Stenhelia, Boeck.**  
 2223 \*Blanchardi, T. and A. Scott.  
 2224 \*confusa, T. Scott.  
 2225 \*hirsuta, J. C. Thompson.  
 2226 hispida, G. S. Brady.  
 2227 \*hyperborea, T. Scott.  
 2228 ima, G. S. Brady.  
 2229 \*longirostris, Norman and Scott.  
 2230 \*neglecta, Norman and Scott.  
 2231 \*pygmæa, Norman and Scott.  
 2232 \*reflexa, T. Scott.  
 2233 \*similis, A. Scott.  
 2234 \*simulans, Norman and Scott.  
 2235 \*varians, Norman and Scott.  
**Parastenhelia, Thompson and A. Scott.**  
 2236 \*anglica, Norman and Scott.  
**Ameira, Boeck.**  
 2237 \*amphibia, G. S. Brady.  
 2238 \*exilis, T. Scott.  
 2239 \*gracilis, A. Scott.  
 2240 \*longicaudata, T. Scott.  
 2241 longipes, Boeck.  
 2242 \*longiremis, T. Scott.  
 2243 \*pusilla, Norman and Scott.  
 2244 \*simplex, T. Scott.  
**Danielsenia, Boeck.**  
 2245 typica, Boeck.  
 2246 hyænæ, J. C. Thompson.  
 2247 fusiformis, G. S. Brady.  
**Delavalia, G. S. Brady.**  
 2248 \*æmula, T. Scott.  
 2249 \*Giesbrechti, T. Scott.  
 2250 \*mimica, T. Scott.  
 2251 \*Normani, T. Scott.  
 2252 \*palustris, G. S. Brady.  
 2253 robusta, G. S. Brady.  
 2254 var. \*finmarchica, T. Scott.

**Pseudotachidius, T. Scott.**

2255 \*coronatus, T. Scott.

**Balænoophilus, Aurivillius.**

2256 \*unisetosus, Aurivillius.

**Nitocra, Giesbrecht.**

2257 oligochæta, Giesbrecht.

2258 paradoxa, Daday.

2259 tau, Giesbrecht.

2260 hibernica, G. S. Brady.

**Canthocamptus, Westwood.**

2261 crassus, G. O. Sars.

2262 \*hirticornis, T. and A. Scott.

= \*subsalsus, G. S. Brady.

2263 horridus, S. Fischer.

2264 gracilis, G. O. Sars.

= \*inornatus, T. and A. Scott.

2265 Lilljeborgii, Boeck.

2266 lucidulus, Rehberg.

2267 minutus, Müller.

2268 palustris, G. S. Brady.

2269 \*parvus, T. Scott.

2270 Schmeili, Mrazek.

2271 trispinosus, G. S. Brady.

**Attheyella, G. S. Brady.**

2272 arctica, Lilljeborg.

2273 cuspidata, Schmeil.

2274 \*Duthiei, T. and A. Scott.

2275 pygmæa, G. O. Sars.

2276 rhætica, Schmeil.

= \*Macandrei, T. Scott.

2277 Zschokkei, Schmeil.

= \*propinqua, T. Scott.

**Marshia, Herrick.**

2278 Blanchardi, J. Richard.

**Moraria, T. Scott.**

2279 brevipes, G. O. Sars.

= \*Anderson-Smithi, T. Scott.

2280 \*Mrazeki, T. Scott.

**Marænobiotus, Mrazek.**

2281 Vejdovskyi, Mrazek.

**Phyllognathopus, Mrazek.**

2282 Viguieri, Maupas.

**ItuneMa, G. S. Brady.**

2283 \*tenuiremis, T. Scott.

**Mesochra, Boeck.**

2284 Lilljeborgii, Boeck.

2285 Robertsoni, G. S. Brady.

2286 \*spinicaudata, T. and A. Scott.

2287 \*Macintoshi, T. and A. Scott.

2288 \*propinqua, T. Scott.

**Paramesochra, T. Scott.**

2289 \*dubia, T. Scott.

**Neobradya, T. Scott.**

2290 \*pectinifer, T. Scott.

**Tetragoniceps, G. S. Brady.**

2291 \*brevicauda, T. Scott.

2292 \*Bradyi, T. Scott.

2293 \*incerta, T. Scott.

2294 \*macronyx, T. Scott.

2295 malleolata, G. S. Brady.

2296 \*pygmæa, T. Scott.

**Laophonte, Philippi.**

2297 curticauda, Boeck.

2298 \*depressa, T. Scott.

2299 forcipata, Claus.

2300 \*Herdmani, T. Scott.

2301 hispida, Brady and Rob.

2302 \*horrida, Norman.

2303 \*inopinata, T. Scott.

2304 \*inornata, T. Scott.

2305 \*intermedia, T. Scott.

2306 lamellifera, Claus.

2307 \*littoralis, T. and A. Scott.

2308 longicaudata, Boeck.

2309 Mahommed, Blanchard and Richard.

2310 \*perplexa, T. and A. Scott.

2311 \*propinqua, T. and A. Scott.

2312 serrata, Claus.

2313 similis, Claus.

2314 \*simulans, T. Scott.

2315 thoracica, Boeck.

**Pseudolaophonte, J. C. Thompson.**

2316 spinosa, J. C. Thompson.

**Ancorabulus, Norman.**

2317 \*mirabilis, Norman.

**Laophontina, Norman and Scott.**

2318 \*dubia, Norman and Scott.

**Pontopolites, T. Scott.**

2319 \*typicus, T. Scott.

**Laophontodes, T. Scott.**

2320 \*typicus, T. Scott.

2321 \*bicornis, T. Scott.

**Cletodes, G. S. Brady.**

2322 \*curvirostris, T. Scott.

2323 \*hirsutipes, T. Scott.

2324 \*lata, T. Scott.

2325 limicola, G. S. Brady.

2326 var. gracilis, G. S. Brady.

2327 linearis, Claus.



**Cletodes, G. S. Brady.**—continued.

- 2328 longicaudata, Brady and Rob.  
 2329 monensis, J. C. Thompson.  
 2330 \*neglecta, T. Scott.  
 2331 \*perplexa, T. Scott.  
 2332 propinqua, Brady and Rob.  
 2333 \*similis, T. Scott.  
 2334 \*tenuipes, T. Scott.  
 2335 \*varians, T. Scott.

**Normanella, G. S. Brady.**

- 2336 dubia, Brady and Robertson.  
 2337 attenuata, A. Scott.

**Heteropsyllus, T. Scott.**

- 2338 \*curticaudatus, T. Scott.

**Leptopsyllus, T. Scott.**

- 2339 \*Herdmani, Thompson and A. Scott.  
 2340 \*intermedia, Thompson and A. Scott.  
 2341 \*minor, T. and A. Scott.  
 2342 \*Robertsoni, T. Scott.

**Pseudocletodes, T. and A. Scott.**

- 2343 \*vararensis, T. and A. Scott.

**Nannopus, G. S. Brady.**

- 2344 palustris, G. S. Brady.

**Platychelipus, G. S. Brady.**

- 2345 littoralis, G. S. Brady.

**Laophontina, T. Scott.**

- 2346 \*dubia, T. Scott.

**Ilyopsyllus, G. S. Brady.**

- 2347 coriaceus, G. S. Brady.

**Enhydrosoma, G. S. Brady.**

- 2348 curvatum, G. S. Brady.  
 2349 \*gracile, T. Scott.

**Cylindropsyllus, G. S. Brady.**

- 2350 lævis, G. S. Brady.  
 2351 \*minor, T. Scott.

**Diosaccus, Boeck.**

- 2352 tenuicornis, Claus.

**Dactylopusia, Norman.**

- 2353 brevicornis, Claus.  
 2354 debilis, Giesbrecht.  
 2355 flava, Claus.  
 2356 longirostris, Claus.  
 2357 var. \*finmarchica, T. Scott.  
 2358 minuta, Claus.  
 2359 \*ornata, Norman and Scott.  
 2360 \*platycheles, G. S. Brady.  
 2361 \*purpurocincta, Norman and Scott.  
 2362 \*rostrata, T. Scott.

**Dactylopusia, Norman.**—continued.

- 2363 similis, Claus.  
 2364 Stroemii, Baird.  
 2365 var. \*arctica, T. Scott.  
 2366 tenuiremis, Brady and Rob.  
 2367 tisoides, Claus.  
 2368 \*valida, Norman and Scott.

**Thalestris, Claus.**

- 2369 \*Clausi, Norman.  
 2370 Cronii, Kröyer.  
 2371 forficula, Claus.  
 2372 gibba, Kröyer.  
 2373 polaris, T. Scott.  
 2374 harpacticoides, Claus.  
 2375 helgolandica, Claus.  
 2376 hibernica, Brady and Rob.  
 2377 \*Jacksoni, T. Scott.  
 2378 longimana, Claus.  
 2379 mysis, Claus.  
 2380 \*Normani, T. Scott.  
 2381 peltata, Boeck.  
 2382 \*rufocincta, Norman.  
 2383 rufoviolascens, Claus.

**Westwoodia, Baird.**

- 2384 nobilis, Baird.

**Pseudothalestris, G. S. Brady.**

- 2385 \*Andrewi, T. Scott.  
 2386 \*major, T. and A. Scott.  
 2387 \*pygmæa, T. and A. Scott.

**Harpacticus, Dana.**

- 2388 chelifer, Müller.  
 2389 flexus, Brady and Rob.  
 2390 gracilis, Claus.  
 2391 \*obscurus, T. Scott.  
 2392 uniremis, Kröyer.

**Tigriopus, Norman.**

- 2393 fulvus, S. Fischer.

**Zaus, Goodsir.**

- 2394 \*abbreviatus, G. O. Sars.  
 2395 spinatus, Goodsir.  
 2396 Goodseri, G. S. Brady.  
 2397 Aurelii, Poppe, P.

**Alteutha, Baird.**

- 2398 interrupta, Goodsir.  
 2399 depressa, Baird.  
       = Peltidium crenulatum, Brady.  
 2400 \*purpurocincta, Norman.

**Peltidium, Philippi.**

- 2401 purpureum, Philippi.  
2402 \*conspicuum, Norman and Scott.

**Tegastes, Norman.**

- 2403 \*flavidus, G. O. Sars.  
2404 \*falcatus, Norman.

**Parategastes, G. O. Sars.**

- 2405 sphaericus, Claus.  
= A. nigrans, T. Scott.

**Porcellidium, Claus.**

- 2406 fimbriatum, Claus.  
2407 lecanoides, Claus.

**Aspidiscus, Norman.**

- 2408 \*fasciatus, Norman.  
2409 littoralis, G. O. Sars.

**Machairopus, G. S. Brady.**

- 2410 \*minutus, G. O. Sars.

**Psamathe, Philippi.**

- 2411 tisboides, Claus.  
2412 \*Arthuri, Poppe.

**Tisbe, Lilljeborg.**

- 2413 furcata, Baird.  
2414 \*minor, T. and A. Scott.  
2415 \*longicornis, T. and A. Scott.  
2416 \*tenera, G. O. Sars.  
2417 \*finmarchica, G. O. Sars.

**Monstrilla, Dana.**

- 2418 anglica, Lubbock.  
2419 longicornis, J. C. Thompson.  
2420 gracilicauda, Giesbrecht.  
2421 \*dubia, T. Scott.

**Thaumaleus, Krøyer.**

- 2422 Danæ, Claparede.  
2423 \*rostratus, T. Scott.  
2424 rigidus, J. C. Thompson.  
2425 Thompsoni, Giesbrecht.

**Asterocheres, Boeck.**

- 2426 Boeckii, G. S. Brady.  
2427 suberites, Giesbrecht.  
2428 \*echinicola, Norman.  
2429 violaceus, Claus.  
2430 \*simulans, T. Scott.  
2431 Lilljeborgii, Boeck.

**Rhynchomyzon, Giesbrecht.**

- 2432 \*purpurocinctum, T. Scott.

**Scottocheres, Giesbrecht.**

- 2433 \*elongatus, T. and A. Scott.

**Callocheres, Canu.**

- 2434 gracilicauda, G. S. Brady.

**Mesocheres, Norman and Scott.**

- 2435 \*anglicus, Norman and Scott.

**Dermatomyzon, Claus.**

- 2436 nigripes, Brady and Rob.

**Scottomyzon, Giesbrecht.**

- 2437 \*gibberum, T. and A. Scott.

**Acontiophorus, Brady and Robertson.**

- 2438 scutatus, Brady and Rob.

**Cribropontius, Giesbrecht.**

- 2439 Normani, Brady and Rob.

**Bradypontius, Giesbrecht.**

- 2440 magniceps, G. S. Brady.

**Parartotragus, T. and A. Scott.**

- 2441 \*Richardi, T. and A. Scott.

**Dyspontius, Thorell.**

- 2442 striatus, Thorell.

**Cancerella, Dalyell.**

- 2443 tubulata, Dalyell.

**Copilia, Dana.**

- 2444 mirabilis, Dana.  
2445 quadrata, Dana.  
2446 denticornis, Claus.

**Lubbockia, Claus.**

- 2447 squillimana, Claus.

**Oncæa, Philippi.**

- 2448 mediterranea, Claus.  
2449 media, Giesbrecht.  
2450 conifera, Giesbrecht.

**Conæa, Giesbrecht.**

- 2451 rapax, Giesbrecht.

**Corycæus, Dana.**

- 2452 anglicus, Lubbock.  
2453 \*flaccus, Giesbrecht.  
2454 furcifer, Claus.  
2455 obtusus, Dana.  
2456 ovalis, Claus.  
2457 rostratus, Claus.  
2458 venustus, Claus.

**Sapphirina, J. V. Thompson.**

- 2459 angusta, Dana.  
2460 gemma, Dana.  
2461 metallica, Dana.  
2462 nigromaculata, Claus.  
2463 splendens, Dana.  
2464 \*stellata, Giesbrecht.

**Modiolicola, Aurivillius.**

- 2465 insignis, Aurivillius.



**Lichomolgus, Thorell.**

- 2466 agilis, Leydig.  
 2467 forficula, Thorell.  
 2468 fucicola, G. S. Brady.  
 2469 \*hirsutipes, T. Scott.  
 2470 \*pteroidis, Della Valle.

**Hermanella, Canu.**

- 2471 arenicola, G. S. Brady.  
 2472 \*finmarchica, T. and A. Scott.  
 2473 maxima, J. C. Thompson.  
 2474 \*parva, Norman and Scott.  
 2475 rostrata, Canu.

**Synatiphilus, Canu and Guenot.**

- 2476 luteus, Canu and Guenot.

**Sabelliphilus, Claparede.**

- 2477 Sarsi, Claparede.

**Heteranthessius, T. Scott.**

- 2478 furcillatus, Thorell.  
 2479 gracilis, Claus.  
 2480 liber, Brady and Rob.  
 2481 Thorelli, Brady and Rob.

**Anthessius, Della Valle.**

- 2482 solecurti, Della Valle.

**Clausidium, Kossman.**

- 2483 apodiforme, Philippi.

**Hersiloides, Canu.**

- 2484 \*aberdonensis, T. Scott.  
 2485 \*littoralis, T. Scott.

**Nereicola, M. Sars.**

- 2486 \*concinna, T. Scott.

**Eolidicola, M. Sars.**

- 2487 tenax, M. Sars.

**Selioides, Levinsen.**

- 2488 \*Bolbræi, Levinsen.

**Crypsodomus, Levinsen.**

- 2489 \*terebellæ, Levinsen.

**Ergasilus, Nordmann.**

- 2490 Sieboldi, Nordmann.  
 2491 nanus, E. van Beneden.

**Thersitina, Norman.**

- 2492 gasterostei, Pagensteker.

**Bomolochus, Nordmann.**

- 2493 cornutus, Claus.  
 2494 \*onosi, T. Scott.  
 2495 soleæ, Claus.

**Nicothæ, Audouin and Milne Edwards.**

- 2496 astaci, Audouin and Milne Edwards.

**Splanchnotrophus, Hancock and Norman.**

- 2497 gracilis, Hancock and Norman.

**Chondracanthus, Delaroche.**

- 2498 annulatus, Olsson.  
 2499 angustatus, Heller.  
 2500 cornutus, Müller.  
 2501 lophii, Johnston.  
 2502 merlucii, Holten.  
 2503 nodosus, Müller.  
 2504 \*ornatus, T. Scott.  
 2505 soleæ, Kröyer.  
 2506 zei, Delaroche.

**Oralion, Bassett-Smith.**

- 2507 asellinus, Linné.

**Sphyrion, Cuvier.**

- 2508 lumpi, Kröyer.

**Diocus, Kröyer.**

- 2509 gobinus, Fabricius.

**Caligus, O. F. Müller.**

- 2510 centrodonti, Baird.  
 2511 curtus, Müller.  
 2512 diaphanus, Nordmann.  
 2513 elegans, J. Van Beneden.  
 2514 \*hippuris, Heller.  
 2515 \*labracis, T. Scott.  
 2516 \*micropus, Norman.  
 2517 minimus, Otto.  
 2518 rapax, H. Milne Edwards.  
 2519 scombri, Bassett-Smith.  
 2520 vexator, Heller.  
 2521 \*zei, Norman and Scott.

**Lepeophtheirus, Nordmann.**

- 2522 branchialis, Malm.  
 2523 hippoglossi, Kröyer.  
 2524 Nordmanni, H. Milne Edwards.  
 2525 pectoralis, Müller.  
 2526 pollachii, Bassett-Smith.  
 2527 Strömii, Baird.  
 2528 Thompsoni, Baird.

**Sciæophilus, J. Van Beneden.**

- 2529 tenuis, J. Van Beneden.

**Pseudocaligus, T. Scott.**

- 2530 brevipes, Bassett-Smith.

**Demoleus, Heller.**

- 2531 paradoxus, Otto.

**Trebius, Kröyer.**

- 2532 caudatus, Kröyer.

- Nogagus, Leach.**  
 2533 Lütkeni, Norman.  
**Euryphorus, Nordmann.**  
 2534 nympha, Steens. and Lüt.  
**Lütkenia, Claus.**  
 2535 glabra, Heller.  
**Dinematura, Latreille.**  
 2536 ferox, Kröyer.  
 2537 latifolia, Steens. and Lüt.  
 2538 producta, Müller.  
**Elytrophora, Gerstaeker.**  
 2539 brachyptera, Gerstaeker.  
**Perissopus, Steenstrup and Lütken.**  
 2540 dentatus, Steens. and Lüt.  
**Philorthagoriscus, Horst.**  
 2541 serratus, Kröyer.  
**Phyllothyreus, Norman.**  
 2542 cornutus, H. Milne Edwards.  
**Echthrogaleus, Steenstrup and Lütken.**  
 2543 coleopratus, Guérin.  
**Cecrops, Leach.**  
 2544 Latreillii, Leach.  
**Orthagoriscola, Poche.**  
 2545 muricatus, Kröyer.  
**Pandarus, Leach.**  
 2546 bicolor, Leach.  
 2547 carchariæ, Leach.  
**Lernanthropus, Nordmann.**  
 2548 Gesleri, J. Van Ben.  
 2549 Kröyeri, J. Van Ben.  
 2550 \*mugilis, Brian.  
**Lonchidium, Gerstaeker.**  
 2551 lineatum, J. Van Ben.  
**Dichelestium, Hermann.**  
 2552 sturionis, Hermann.  
**Clavella, Oken.**  
 2553 hippoglossi, Kröyer.  
 2554 labracis, J. Van Ben.  
 2555 mulli, J. Van Ben.  
**Congericola, J. Van Beneden.**  
 2556 pallida, J. Van Ben.  
**Nemesis, Roux.**  
 2557 lamnæ, Roux.  
**Eudactylina, J. Van Beneden.**  
 2558 \*acanthii, T. Scott.  
 2559 acuta, J. Van Ben.  
 2560 \*minuta, T. Scott.  
 2561 \*similis, T. Scott.  
**Lamproglena, Nordmann.**  
 2562 pulchella, Nordmann.  
**Lernæocera, Blainville.**  
 2563 esocina, Burmeister.  
**Lernæascus, Claus.**  
 2564 \*nematoxys, Claus.  
**Peniculus, Nordmann.**  
 2565 fistula, Nordmann.  
**Lophoura, Kollar.**  
 2566 Edwardsi, Kollar.  
**Lernæenicus, Lesson.**  
 2567 sprattæ, Sowerby.  
 2568 vorax, Richiardi.  
**Lernæa, Linné.**  
 2569 branchialis, Linné.  
 2570 luscii, Bassett-Smith.  
 2571 \*minuta, T. Scott.  
**Hæmobaphes, Steenstrup and Lütken.**  
 2572 \*ambigua, T. Scott.  
 2573 cyclopterina, Fabricius.  
**Pennella, Oken.**  
 2574 filosa, Linné.  
 2575 \*balænopteri, Koren and Danielssen.  
**Lernæopoda, Kröyer.**  
 2576 \*alpina, Olsson.  
 2577 \*bidiscalis, Kane.  
 2578 carpionis, Kröyer.  
 2579 \*clavigera, Olsson.  
 2580 elongata, Grant.  
 2581 galei, Kröyer.  
 2582 \*lotæ, Olsson.  
 2583 salmonea, Linné.  
**Thysanote, Kröyer.**  
 2584 impudica, Nordmann.  
**Basanistes, Nordmann.**  
 2585 huchonis, Shrank.  
**Achtheres, Nordmann.**  
 2586 percarum, Nordmann.  
 2587 selachiorum, Kurz.  
**Charopinus, Kröyer.**  
 2588 Dalmanni, Retz.  
 2589 \*dubius, T. Scott.  
 2590 ramosus, Kröyer.  
**Tracheliastes, Nordmann.**  
 2591 polycolpus, Nordmann.



**Brachiella, Cuvier.**

- 2592 bispinosa, Nordmann.  
 2593 Chevreuxi, J. Van Ben.  
 2594 insidiosa, Heller.  
 2595 obesa, Kröyer.  
 2596 rostrata, Kröyer.  
 2597 triglæ, Claus.  
 2598 thynni, Cuvier.

**Anchorella, Cuvier.**

- 2599 emarginata, Kröyer.  
 2600 fallax, Heller.  
 2601 hostilis, Heller.  
 2602 pagri, Kröyer.  
 2603 paradoxa, J. Van Ben.  
 2604 rugosa, Kröyer.  
 2605 sargi, Kurz.  
 2606 scombri, Kurz.  
 2607 stellata, Kröyer.  
 2608 triglæ, Claus.  
 2609 uncinata, Müller.

**Herpyllobius, Steenstrup and Lütken.**

- 2610 \*arcticus, Steens. and Lüt.

**Salenskya, Giard and Bonnier.**

- 2611 tuberosa, Giard and Bon.

**Homœoscelis, H. J. Hansen.**

- 2612 \*minuta, H. J. Hansen.

**Stenothocheres, H. J. Hansen.**

- 2613 \*egregius, H. J. Hansen.

**Aspidœcia, Giard and Bonnier.**

- 2614 \*Normani, Giard and Bonnier.

**Sphæronella, H. J. Hansen.**

- 2615 paradoxa, H. J. Hansen.  
 2616 \*norvegica, H. J. Hansen.

**Order XVII.—CIRRIPEDIA.****Balanus, Lister.**

- 2617 tintinnabulum, Linné.  
 2618 perforatus, Bruguière.  
 2619 porcatus, Da Costa.  
 2620 spongicola, Darwin.  
 2621 crenatus, Bruguière.  
 2622 balanoides, Linné.  
 2623 Hameri, Ascanius.

**Acasta, Leach.**

- 2624 spongites, Poli.

**Pyrgoma, Leach.**

- 2625 anglicum, Leach.

**Chelonobia, Leach.**

- 2626 testudinaria, Linné.

**Coronula, Lamarck.**

- 2627 diadema, Linné.

**Tubicinella, Lamarck.**

- 2628 trachealis, Shaw.

**Xenobalanus, Steenstrup.**

- 2629 globicipitis, Steenstrup.

**Chthalamus, Ranzani.**

- 2630 Strömia, O. F. Müller.

**Pollicipes, Leach.**

- 2631 cornucopia, Leach.

**Scalpellum, Leach.**

- 2632 vulgare, Leach.  
 2633 Strömii, M. Sars.  
 2634 angustum, G. O. Sars.  
 2635 hamatum, G. O. Sars.

**Alepas, Sander Rang.**

- 2636 minuta, Philippi.

**Conchoderma, Olfers.**

- 2637 auritum, Linné.  
 2638 virgatum, Spengler.  
 2639 \*gracile, Heller.

**Lepas, Linné.**

- 2640 anatifera, Linné.  
 2641 ansiferina, Linné.  
 2642 pectinata, Spengler.  
 2643 fascicularis, Ellis and Sol.

**Dichelaspis, Darwin.**

- 2644 Darwinii, Filippi.

**Trypetesa, Norman.**

- 2645 lampas, Hancock.

**Synagoga, Norman.**

- 2646 \*mira, Norman.

**Sarcotaces, Olsson.**

- 2647 arcticus, Collett.

**Clistosaccus, Lilljeborg.**

- 2648 paguri, Lilljeborg.

**Peltogaster, Rathke.**

- 2649 socialis, Fr. Müller.  
 2650 paguri, Rathke.  
 2651 sulcatus, Lilljeborg.

**Sacculina, J. V. Thompson.**

- 2652 carcini, J. V. Thompson.  
 2653 triangularis, Anderson.  
 2654 phalangi, Hock.  
 2655 \*galatheæ, Norman and Scott.

- Lernæodiscus, Fr. Müller.  
 2656 subterraneus, Kossman.  
 Sylon, Kröyer.  
 2657 hippolytes, Kröyer.  
 2658 Schneideri, Hock.

## ADDENDA.

### Order I.—BRACHYURA.

- Chionæcetes, Kröyer.  
 2659 \*Tanneri, M. Rathbun, P.

### Order II.—ANOMURA.

- Cymonomus, A. Milne Edwards.  
 2660 \*Normani, Lankester.  
 Eupagurus, Brandt.  
 2661 middendorffianus, Brandt.  
 2662 variabilis, A. M. Edw. and Bouv.  
 Munida, Leach.  
 2663 curvimana, A. M. Edw. and Bouv.

### Order IV.—CARIDA.

- Crangon, Fabricius.  
 2664 affinis, De Haan, P.  
 2665 franciscorum, Stimpson, P.  
 Paracrangon, Dana.  
 2666 echinatus, Dana.  
 Sclerocrangon, G. O. Sars.  
 2667 munitus, Dana, P.  
 Chloroticus, A. Milne Edwards.  
 2668 gracilis, A. Milne Edw.  
 Lucifer, J. V. Thompson.  
 2669 typus (M. Edw.), Faxon.

### Order V.—SCHIZOPODA.

- Euphausia, Dana.  
 2670 Mülleri, Claus.  
 Paramysis, Czerniavsky.  
 2671 Baeri, Czern.  
 2672 Kessleri, Grimm.  
 Mesomysis, Czerniavsky.  
 2673 Kowalevskii, Czern.  
 2674 \*Czerniavskii, G. O. Sars.

- Katamysis, G. O. Sars.  
 2675 \*Warpachowskii, G. O. Sars.  
 Limnomysis, Czerniavsky.  
 2676 Benedeni, Czern.  
 Austromysis, Czerniavsky.  
 2677 \*Ioxolepis, G. O. Sars.  
 Mysis, Fabricius,  
 2678 \*microphthalma, G. O. Sars.

### Order VII.—SYMPODA.

#### = Cumacea.

- Bodotria, Spence Bate.  
 2679 \*gibba, G. O. Sars.  
 Pseudocuma, G. O. Sars.  
 2680 \*ciliata, G. O. Sars.  
 2681 \*cercarioides, G. O. Sars.  
 Pterocuma, G. O. Sars.  
 2682 pectinata, Sowinsky.  
 2683 \*Sowinskii, G. O. Sars.  
 Stenocuma, G. O. Sars.  
 2684 \*gracilis, G. O. Sars.  
 2685 \*tenuicauda, G. O. Sars.  
 2686 \*graciloides, G. O. Sars.  
 Schizorhynchus, G. O. Sars.  
 2687 \*bilamellatus, G. O. Sars.  
 Nannastacus, Spence Bate.  
 2688 \*longirostris, G. O. Sars.  
 Campylaspis, G. O. Sars.  
 2689 \*glabra, G. O. Sars.  
 2690 \*affinis, G. O. Sars.  
 Procampylaspis, Bonnier.  
 2691 armata, Bonnier.

### Order VIII.—ISOPODA.

- Apseudes, Leach.  
 2692 \*tenuimanus, G. O. Sars.  
 Heterotanais, G. O. Sars.  
 2693 \*Gurneyi, Norman.  
 Typhlotanais, G. O. Sars.  
 2694 \*messanensis, G. O. Sars.  
 2695 \*cornutus, G. O. Sars.  
 Tanaissus, Norman and Scott.  
 2696 \*Lilljeborgii, Stebbing.  
 Pseudotanais, G. O. Sars.  
 2697 macrocheles, G. O. Sars.



**Cryptocope, G. O. Sars.**

2698 \*voringi, G. O. Sars.

**Gnathia, Leach.**

2699 oxyuræa, Lillejeborg.

2700 \*stygia, G. O. Sars.

2701 \*hirsuta, G. O. Sars.

2702 \*robusta, G. O. Sars.

**Æga, Leach.**

2703 \*megalops, Norman and Stebbing.

**Cirolana, Leach.**

2704 \*gallica, H. J. Hansen.

2705 Hanseni, J. Bonnier.

2706 cæca, A. Dollfus.

**Eurydice, Leach.**

2707 \*affinis, H. J. Hansen.

2708 \*rotundicauda, Norman MS.

**Arcturus, Latreille.**

2709 \*scabrosus, Norman.

**Idotea, Fabricius.**

2710 ochotensis, Brandt, P.

2711 Wossnessenskii, Brandt, P.

**Glyptonotus, Eights.**

2712 \*megalurus, G. O. Sars.

2713 sibericus, Bivona.

**Armadillidium, Brandt.**

2714 \*oliveti, L. Koch.

2715 \*petræum, L. Koch.

**Porcellio, Latreille.**

2716 conspersus, C. Koch.

2717 \*saltuum, L. Koch.

2718 \*socialis, L. Koch.

**Metaponorthus, Budde-Lund.**

2719 amœnus, C. Koch.

**Pleurocrypta, Hesse.**

2720 cluthæ, T. Scott.

(830) Patiencei, T. Scott.

= Bopyroides furcata, Norman MS.

**Clypeoniscus, Giard and Bonnier.**

2721 Meinerti, Giard and Bonnier.

**Order X.—AMPHIPODA.****Dairella, Bovallius.**

2722 latissima, Bovallius.

**Hippomedon, Boeck.**

2723 Hölbolli, Krøyer.

2724 var. \*abyssicola, G. O. Sars.

**Haplonyx, G. O. Sars.**

2725 \*exiguus, Chevreux.

**Bathyporeia, Lindström.**

2726 pilosa, Lindström.

**Byblis, Boeck.**

2727 \*longicornis, G. O. Sars.

2728 \*abyssi, G. O. Sars.

**Amphilochus, Bale.**

2729 tenuimanus, Boeck.

**Gitana, Boeck.**

2730 \*abyssi, G. O. Sars.

**Leucothoe, Leach.**

(1095) \*pachycera, Della Valle.

**Monoculodes, Stimpson.**

2731 tenuirostratus, Boeck.

**Pontocrates, Boeck.**

2732 arcticus, G. O. Sars.

**Paramphithoe, Bruzelius.**

2733 \*euacantha, G. O. Sars.

**Eusirus, Krøyer.**

2734 Holmii, H. J. Hansen.

**Rhachotropis, S. J. Smith.**

2735 oculata, H. J. Hansen.

**Cleippides, Boeck,**

2736 quadricuspis, Heller.

**Apherusa, Walker.**

2737 \*ovalipes, Norman and Scott.

**Dexamine, Leach.**

2738 spiniventris, Costa.

**Polycheria, Haswell.**

2739 \*Osborni, Calman, P.

**Amathillopsis, Heller.**

2740 spinigera, Heller.

**Gammarus, Fabricius.**

2741 rhipidiophorus, Catta.

**Echinogammarus, Stebbing.**

2742 Godlewskii, Dybowsky.

2743 \*Labbei, Chevreux.

2744 Maacki, Gerstfeldt.

2745 cyaneus, Dybowsky.

2746 lividus, Dybowsky.

**Micruropus, Stebbing.**

2747 Wahli, Dybowsky.

**Niphargus, Schiödte.**

- 2748 Kochianus, Bate.  
 2749 \*Plateaui, Chevreux.  
 2750 \*Ladmiraulti, Chevreux.  
 2751 \*Virei, Chevreux.  
 2752 fontanus, Bate.

**Pseudoniphargus, Chevreux.**

- 2753 \*africanus, Chevreux.

**Melita, Leach.**

- 2754 \*pallida, G. O. Sars.

**Erichthonius, Leach.**

- 2755 \*megalops, G. O. Sars.

**Dulichia, Kröyer.**

- 2756 curticauda, Boeck.

**Paradulichia, Boeck.**

- 2757 \*typica, Boeck.

**Æginina, Norman.<sup>1</sup>**

- 2758 \*echinata, Boeck.

**Caprella, Lamarck.**

- 2759 \*monocera, G. O. Sars.  
 2760 tuberculata, Bate and West.  
 (1410) septentrionalis, Kröyer.  
 2761 var. nodifera, Mayer.  
 (1412) acanthifera, Leach.  
 2762 var. lævissima, Mayer.  
 2763 var. elatior, Mayer.  
 2764 var. tuberigera, Mayer.  
 2765 Danilevskii, Czerniavsky.  
 2766 alaskana, P.

**Paracaprella, Mayer.**

- 2767 \*tenuis, Mayer.

**Lyropus, Mayer.**

- 2768 elongatus, Mayer.

**Order XII.—PHYLLOPODA.****Estheria, Straus.**

- 2769 Davidi, Simon.  
 2770 sahlbergi, Simon.

**Apus, Schæffer.**

- 2771 granarius, Lucas.  
 2772 macrurus, Lilljeborg.

**Branchinecta, Verrill.**

- 2773 \*orientalis, G. O. Sars.

**Branchipodopsis, G. O. Sars.**

- 2774 \*affinis, G. O. Sars.

**Order XIII.—CLADOCERA.****Daphnia, O. F. Müller.**

- (1474) longispina, O. F. Müller.  
 2775 var. \*simulans, G. O. Sars.  
 2776 var. \*pulchella, G. O. Sars.  
 2777 var. \*turbinata, G. O. Sars.  
 2778 var. \*microcephala, G. O. Sars.  
 2779 \*triquetra, G. O. Sars.  
 2780 carinata, King.

**Daphniopsis, G. O. Sars.**

- 2781 \*tibitana, G. O. Sars.

**Simosa, Norman.**

- 2782 \*producta, G. O. Sars.  
 2783 \*vetuloides, G. O. Sars.  
 2784 \*mixta, G. O. Sars.

**Scapholeberis, Schödler.**

- 2785 \*echinatula, G. O. Sars.

**Moina, Baird.**

- 2786 micrura, Kurz.  
 2787 macrocopa, Straus.  
 2788 \*microphthalma, G. O. Sars.

**Acroperus, Baird.**

- 2789 neglectus, Lilljeborg.

**Alonopsis, G. O. Sars.**

- 2790 ambigua, Lilljeborg.

**Dunhevedia, King.**

- 2791 setigera, Birge.

**Bythotrephes, Leydig.**

- 2792 arctica, Lilljeborg.

**Cercopagis, G. O. Sars.**

- 2793 \*neonilæ, G. O. Sars.

**Evadne, Lovén.**

- 2794 \*hircus, G. O. Sars.  
 2795 \*camptonyx, G. O. Sars.  
 2796 var. \*angusta, G. O. Sars.  
 2797 var. \*orthonyx, G. O. Sars.  
 2798 var. \*macronyx, G. O. Sars.  
 2799 var. \*hamulus, G. O. Sars.  
 (1630) trigona, G. O. Sars.  
 2800 var. \*trigonoides, G. O. Sars.  
 2801 var. \*pusilla, G. O. Sars.

<sup>1</sup> *Nov. nom.* for *Ægina*, Kröyer (*nec* Eschscholtz 1829).



## Order XV.—OSTRACODA.

## Cypris, O. F. Müller.

- 2802     \*inflata, G. O. Sars.  
 2803     \*ovalis, G. O. Sars.

## Herpetocypris, Brady and Norman.

- 2804     peregrina, Croneberg.

## Stenocypris, G. O. Sars.

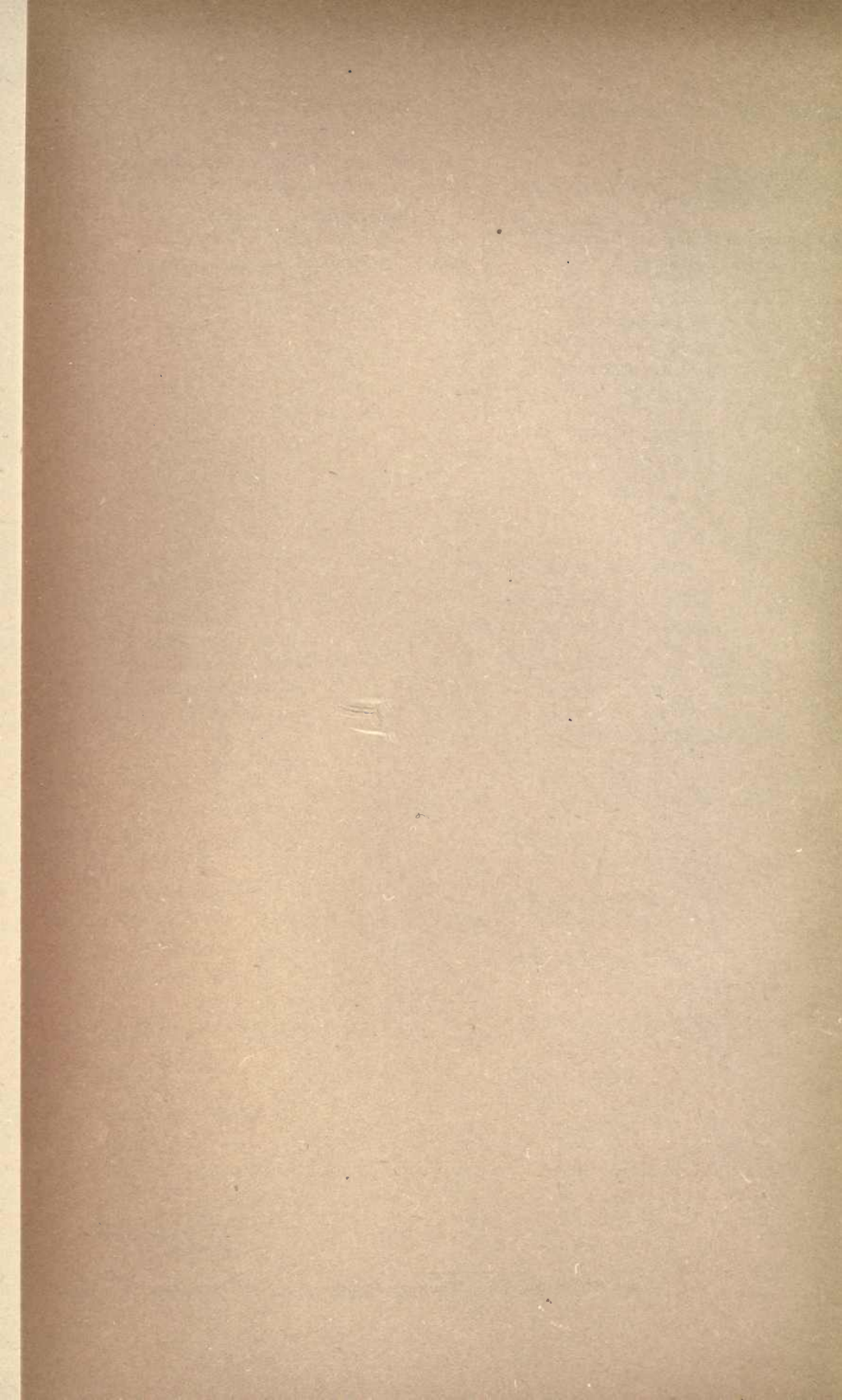
- 2805     \*Chevreuxi, G. O. Sars.

## Ilyocypris, Brady and Norman.

- 2806     lacustris, Kaufman.

## Cypridopsis, G. S. Brady.

- 2807     \*granulata, G. O. Sars.  
 2808     \*arcuata, G. O. Sars.











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With the Compiler's Compliments.

# MUSEUM NORMANIANUM,

OR

## A Catalogue of the Invertebrata

OF

Europe, and the Arctic and North Atlantic Oceans,

WHICH ARE CONTAINED IN THE COLLECTION OF THE

REV. CANON A. M. NORMAN, M.A., D.C.L., F.L.S.

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IV. MOLLUSCA MARINA.

V. BRACHIOPODA.

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## PREFATORY NOTES.

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These Catalogues are printed in order to make known to Curators of Museums and private Naturalists the present state of my collections, and to invite exchange.

I shall be glad of any opportunities which may be afforded me of procuring, either by exchange or purchase, species not contained in this list.

In return for desiderata which may be kindly offered me, I shall be happy to send either Mollusca or, if preferred, animals belonging to other classes of Marine Invertebrata. Of course it will be understood that a catalogue which embraces my entire collection necessarily includes a large number of forms of which there are no duplicates.

Letters should be addressed—

BURNMOOR RECTORY,  
FENCE HOUSES,  
CO. DURHAM.

The Collections to which these Catalogues refer are in the main confined to the Fauna of Europe, together with that of the Arctic and North Atlantic Oceans, including the seas connected with them.

The North Atlantic Ocean is here regarded as terminating towards the South at Lat.  $35^{\circ}$  N; or at a line drawn from a little to the South of the Straits of Gibraltar on the Eastern, to Cape Hatteras on the Western side. This boundary is adopted as perhaps the best to embrace the Arctic and Temperate regions, and at the same time to exclude the tropical animals of the Gulf of Mexico. The entire area of the Mediterranean is of course included.

There are added, however, in the present Catalogue certain Mollusca, which come from seas beyond those which are indicated in the last paragraph. Inasmuch as much light is thrown upon the Mediterranean by the study of the distribution of its Fauna in a southerly direction, the Mollusca of the Madeiran Province have been procured. Such species as are found in that Province but not in the Mediterranean are indicated by the letter *M* placed after them.

With a view also to a greater knowledge of the distribution of the Arctic and Circumpolar Fauna, I have been glad to procure Mollusca from the Arctic and North Temperate portion of the Pacific, especially from Behring Strait and the Arctic coasts of Asia. The few forms from this district which are not as yet recognised as Circumpolar are distinguished by the appended letter *P*.

The general arrangement here adopted for the Mollusca is that of Dr. Paul Fischer in his recently published "Manuel de Conchyliologie."

The object of this Catalogue is rather to enumerate all the forms in a collection than to correct error, and therefore a large number of names are retained as specific which I am myself unable to regard as more than varietal. Authors have given them specific rank, and it has been judged therefore better so to retain them here. Either as "species" or as "varieties" modifications of form are always interesting.

My friend the Marquis di Monterosato, and some other writers on Mediterranean Mollusca would seem to act upon the principle that there is strong probability in favour of a shell found in the Mediterranean being distinct from a closely allied Atlantic form, and hence a slight amount of difference is regarded as specific. My own view coincides with that of my regretted friend and companion in so many dredging expeditions, the late Dr. Jeffreys, that when the little-known Fauna of the West African coast, as well as that of Spain and Portugal shall have been thoroughly investigated it will be found that very few true species will remain peculiar to the Mediterranean.

The chief deficiencies in this collection of Marine Mollusca occur in the following groups :—

1. Mollusca of the North Eastern coasts of the United States. Attempts to obtain these have been singularly unfortunate. The larger shallow-water forms have been procured partly in exchange from the United States National Museum, but chiefly by purchase from dealers. Hardly any of the minute shallow-water species or of the deep-water shells are in my collection.
2. Cephalopoda and Nudibranchiata. Unfortunately, a large number of the latter collected long ago were found, when unpacked after many years, to have been almost all lost from evaporation of the spirit.
3. Abyssal Atlantic and Mediterranean forms.
4. Asiatic, Arctic and Alaskan species.

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#### INLAND MOLLUSCA OF THE PALÆARCTIC REGION.

I take this opportunity of mentioning as desiderata the Inland Mollusca of those parts of Africa and Arabia which lie to the North of the Tropic of Cancer; of Asia Minor, Persia, Afghanistan, and the entire Russian Empire; as well as those of the Azorean, Canarian, and Cape Verde Islands. I shall be glad either to purchase these, or to send in exchange for them European Land or Marine Mollusca.

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Catalogues already published :—

- I.—ECHINODERMATA.
- II.—PANTOPODA.
- III.—CRUSTACEA.

*February 4, 1888.*



# MUSEUM NORMANIANUM.

## IV.—MOLLUSCA MARINA.

### Class I.—CEPHALOPODA.

- Argonauta**, Linné.  
1 argo, Lin.  
**Ocythoe**, Rafinesque.  
2 tuberculata, Rafinesque.  
**Octopus**, Lamarck,  
3 vulgaris, Lamk.  
4 Salutii, Vérany.  
5 macropus, Risso.  
6 De-Filippi, Vérany.  
7 arcticus, Prosch. = Bairdii Verrill.  
**Scaërgus**, Troschel.  
8 tetracirrus (Del. Ch.) Tiberi.  
9 moschata, Lamk.  
10 cirrhosa, Lamk. = Aldrovaldi D. Ch.  
**Sepiola**, Rondeletius.  
11 Rondeletii, Leach.  
12 atlantica, D'Orb.  
**Rossia**, Owen.  
13 macrosoma (Del. Ch.), D'Orb.  
14 Oweni, Ball.  
15 tenera, Verrill.  
**Sepia**, Linné.  
16 officinalis, Lin.  
17 elegans Blainv.  
18 rupellaria, D'Orb. = biserialis, Vérany.  
**Loligo**, Lamarck.  
19 vulgaris, Lamk.  
20 Pealii, Lesueur.  
21 media, Lin.  
**Todarodes**, Steenstrup.  
22 sagittatus, Lamk.  
**Illex**, Steenstrup.  
23 Coindetii, Vérany.

### Spirola, Lamarck.

- 24 Peronii, Lamk.

### Class II.—PTEROPODA.

- Clyone**, Pallas.  
25 limacina, Phipps.  
**Pneumoderma**, Cuvier.  
26 mediterraneum, Van Ben.  
**Cymbulia**, Per. & Les.  
27 Peronii, Cuvier.  
**Tiedemannia**, Delle Chiaje.  
28 neapolitana, Del. Ch.  
**Limacina**, Cuvier.  
29 helicina, Phipps.  
**Spirialis**, Eyd & Soul.  
30 retroversus, Fleming.  
31 contortus, Monts.  
32 baleus, Möll.  
33 trochiformis, Soul.  
33\* bulimoides, D'Orb.  
**Peracle**, Forbes.  
34 reticulata, D'Orb.  
**Embolus**, Jeffreys.  
35 rostralis, Soul.  
**Diacria**, Gray.  
36 trispinosa, D'Orb.  
37 mucronata, D'Orb.  
**Cavolinia**, Giöeni.  
38 tridentata, Forskäl.  
39 quadridentata, Lesueur.  
40 gibbosa, Rang.  
41 uncinata, D'Orb.  
42 inflexa, Lesueur.

**Cavolinia, Giöeni.**—continued.

- 43 longirostris, Lesueur.  
 43\* labiata, Souleyet.  
**Triptera, Quoy & Gaim.**  
 44 columnella, Rang.  
**Balantium, Leach.**  
 45 striatum, Rang.  
**Cleodora Pér. & Les.**  
 46 pyramidata, Lamk.  
**Hyalocylix H. Fol.**  
 47 striata, Rang.  
**Styliola, Lesueur.**  
 48 subulata, Quoy & Gaim.  
 49 recta, Lesueur.  
 50 acicula, Rang.  
 51 conica, Costa.  
 51\* virgula, Rang.

**Class III.—GASTROPODA.****Order I.—Pulmonata.**

- Oncidium, Buchanan.**  
 52 celticum, Cuv.  
**Pedipes, Adamson.**  
 53 afra, Gmel. *M.*  
**Alexia, Leach.**  
 54 bidentata, Montg.  
 55 *a. alba*, Turt.  
 56 myosotis, Drap.  
 57 *a. ringens*, Turt.  
 58 Firminii, Payr.  
 59 lineata, Say.  
**Otina, Gray.**  
 60 otis, Turt.  
 61 *a. candida*, Jeff.  
**Gadinea, Philippi.**  
 62 Garnotti, Payr.  
**Williamia, Monterosato.**  
 63 Gussonæ, G. O. Cos.  
**Siphonaria, Lamarck.**  
 64 algesiræ, Quoy & Gaim.

**Order II.—Opisthobranchiata.****Doris, Linné.**

- 65 tuberculata, Cuv.  
 66 repanda, Ald. & Han.  
 67 verrucosa, Cuv.  
 68 argo, Lin.  
 68\* Loveni, Ald. & Han.

**Chromodoris, Ald. & Han.**

- 69 elegans, Cantr.  
 70 gracilis, Iherg.  
**Lamellidoris, Ald. & Han.**  
 71 bilamellata, Lin.  
 72 aspera, Ald. & Han.  
**Acanthodoris, Gray.**  
 73 pilosa, Müll.  
**Ancula, Lovén.**  
 74 cristata, Ald.  
**Idalia, Leuckart.**  
 75 Leachii, Ald. & Han.  
**Triopa, Johnston.**  
 76 claviger, Müll.  
**Ægirus, Lovén.**  
 76\* punctilucens, D'Orb.  
**Pleurophyllidea, Meckel.**  
 77 Loveni, Bergh.  
**Tritonia, Cuvier.**  
 78 tethydea, Del. Ch.  
**Dendronatus, Ald. & Han.**  
 78\* arborescens, Müll.  
**Hero, Lovén.**  
 78\*\* formosa, Lovén.  
**Marionia, Vayssiere.**  
 79 quadrilatera, Schultz.  
**Tethys, Linné.**  
 80 leporina, Lin.  
**Scyllæa, Linné.**  
 81 pelagica, Lin.  
**Phyllirhoe, Pér. & Les.**  
 82 bucephala, Péron.  
**Janus, Verany.**  
 83 cristatus, Del. Ch.  
**Proctonotus, Ald. & Han.**  
 84 mucronifer, Ald. & Han.  
**Eolis, Cuvier.**  
 85 papillosa, Lin.  
**Cavolina, Cuvier.**  
 86 viridis, Forbes.  
**Cuthona, Ald. & Han.**  
 87 aurantiaca, Ald. & Han.  
**Galvina, Ald. & Han.**  
 88 tricolor, Forbes.  
 89 picta, Ald. & Han.  
**Coryphella, Gray.**  
 90 Landsburgii, Ald. & Han.  
**Facelina, Ald. & Han.**  
 91 Drummondii, Thomp.  
 91\* coronata, Forbes.



**Fiona, Ald. & Han.**

- 92 nobilis, Ald. & Han.

**Doto, Oken.**

- 93 fragilis, Turt.  
94 pinnatifida, Montg.  
95 coronata, Gmel.

**Scaphander, Montfort.**

- 96 lignarius, Lin.  
97 *a. curtus*, Jeff.  
98 *b. albus*, Jeff.  
99 punctostriatus, Migh.

**Akera, Müller.**

- 100 bullata, Müll.  
101 *a. gigantea*, Norman.  
102 *b. nana*, Jeff.

**Bulla, Linné.**

- 103 hydati, Lin.  
104 cornea, Lamk.  
105 *a. subquadrata*, Monts.  
106 Orbigniana, Fér. = dilatata, Leach.  
107 folliculus, Menke.

**Bulla.**

- 108 Reinhardti, Holb & Möll.  
109 utriculus, Brocc.  
111 striata, Brugn.  
112 punctata, A. Adams. *M.*

**Amphisphyræ, Lovén.**

- 113 hyalina, Turt.  
114 expansa, Jeff.  
115 globosa, Lovén. = vitrea, M. Sars.  
116 quadrata, Monts.

**Utriculus, Brown.**

- 117 mamillatus, Phil.  
118 obtusus, Montg.  
119 *a. Lajonkairanus*, Basterot.  
120 minutissimus, H. Martin.  
121 striatulus, Forbes. = Hoernsii, Weink.  
122 Gouldii, Couth.  
123 pertenuis, Gould.  
124 *a. turritus*, Möll.  
125 canaliculatus, Sow.  
126 truncatulus, Brugn.

**Cylichna, Lovén.**

- 127 cylindracea, Penn.  
128 alba, Brown.  
129 ovata, Jeff.  
130 propinqua, M. Sars.  
131 Jeffreysii, Weink.

**Cylichna, Lovén.—continued.**

- 132 umbilicata, Montg.  
133 *a. strigella*, Lovén.  
134 nitidula, Lovén.  
135 lævisculpta, Gran.  
136 crebrisculpta, Monts.  
137 Reinhardti, Holb.

**Cryptaxis, Jeffreys.**

- 138 crebripunctata, Jeff.

**Weinkauffia, A. Adams.**

- 139 diaphana, Aradas.

**Volvula, H. & A. Adams.**

- 140 acuminata, Brugn.

**Actæon, Montfort.**

- 141 tornatilis, Lin.  
142 pusillus, Forbes.

**Ringicula, Deshayes.**

- 143 auriculata, Ménard.  
144 *a. conformis*, Monts.  
145 leptochaila, Brugn.

**Philine, Ascanius.**

- 146 aperta, Lin.  
147 scabra, Müll.  
148 catena, Montg.  
149 punctata, Clark.  
150 pruinosa, Clark.  
151 quadrata, Wood.  
152 finmarchica, M. Sars.  
153 Loveni, Malm.  
154 lima, Brown.  
155 striatula, Jeff.  
156 intricata, Monts.  
157 Monterosatoi, Jeff.

**Gastropteron, Meckel.**

- 158 Meckeli, Kosse.

**Oxynoe, Rafinesque.**

- 159 olivacea, Rafin.

**Lobiger, Krohn.**

- 160 serradifalci, Calc. = Philippii, Krohn.

**Doridium, Meckel.**

- 161 coriaceum, Meck.  
162 membranaceum, Meck.

**Notarchus, Cuvier.**

- 163 neapolitanus, Del. Ch.

**Aplysia, Linné.**

- 164 punctata, Cuv.  
165 fasciata, Poirét.  
166 depilans, Lin.  
167 virescens, Risso. = Webbi. Van Ben.

**Pleurobranchæa, Meckel.**

168 Meckeli, Lowe.

**Pleurobranchus, Cuvier.**

- 169 plumula, Montg.  
 170 membranaceus, Montg.  
 171 testudinarius, Cantr.  
 172 aurantiacus, Risso.  
 173 stellatus, Risso.  
 174 Dehaani, Risso.  
 175 brevifrons, Phil.

**Umbrella, Lamärck.**

176 mediterranea, Lamk.

**Tylodina, Rafinesque.**

- 177 citrina, Joannis.  
 178 Rafinesquei, Phil.

**Order III.—Nucleobranchiata.****Atlanta, Lesueur.**

- 179 Peronii, Lesueur.  
 180 fusca, Eyd & Soul.

**Oxygyrus, Benson.**

181 Keraudreni, Lesueur.

**Carinaria, Lamarck.**

182 mediterranea, Per. &amp; Les.

**Firoloida, Lesueur.**

183 Desmarestii, Eyd &amp; Soul.

**Pterotrachia, Forskäl.**

- 184 coronata, Forskäl.  
 185 mutica, Lesueur.

**Order IV.—Prosobranchiata.***A. Toxoglossa.***Conus, Linné.**

- 186 mediterraneus, Brug.  
 187 *a.* elongatus, B. D. & D.  
 188 *b.* oblongus, B. D. & D.  
 189 *c.* carinatus, B. D. & D.  
 190 *d.* corallinus, Monts.  
*e.* luteus, albinus, &c.

**Clathurella, Carpenter.**

- 191 linearis, Montg.  
 192 *a.* æqualis, Jeff.  
*b.* pallida, Jeff.  
 193 Leufroyi, Mich.  
 194 *a.* Boothii, Brown.  
 195 *b.* concinna, Scacc.  
 196 *c.* carnosula, Jeff.

**Clathurella, Carpenter.—continued.**

- 197 purpurea, Montg.  
 198 *a.* Philberti, Mich. = bicolor, Risso.  
*b.* La Viæ, Phil.  
 200 *c.* densa, Monts.  
 201 *d.* conformis, Monts.  
 201\* *e.* contigua, Monts.  
 202 reticulata, Reni.  
 203 *a.* asperima, F. & H.  
 204 *b.* pupoides, Monts.  
 205 *c.* radula, Monts.  
 206 *d.* horrida, Monts. = pungens, Monts.  
*a.* Cordieri, Payr.  
 208 granum, Phil. = clathrata, C. & J.  
 209 hystrix, Ch. & Jan.

**Mangelia, Risso.**

- 210 cærulans, Phil.  
 211 *a.* albida, Desh.  
*b.* unifasciata, Monts.  
 213 indistincta, Monts.  
 214 sicala, Reeve.  
 215 Campanyi, B. D. & D.  
 216 Stossiciana, Brus.  
 217 scabrida, Monts.  
 218 derelicta, Reeve.  
 219 Paciniana, Calc.  
 220 Vanquellini, Payr.  
 221 tæniata, Desh.  
 222 costata, Don.  
 223 striolata, Phil.  
 224 attenuata, Montg.  
 225 turgida, Forbes. = nana, Scacc.  
 226 multilineata, Desh.  
 227 *a.* pusilla, Scacc.  
 228 nebula, Montg.  
 229 lævigata, Phil.  
*a.* Ginnaniana, Risso.  
 231 brachystoma, Phil.  
 232 nuperrima, Tiberi. = hispidula, Mts.

**Teretia, Bucq, Daut, & Doll (emend).**

- 233 anceps, Eich.  
 234 amœna, G. O. Sars.

**Daphnella, Hinds. (?)**

- 235 emendata, Monts.  
 236 Loprestiana, Calc.

**Bellardiella, Fischer.**

- 237 gracilis, Montagu.



**Taranis, Jeffreys.**

238 Mörchii, Malm.

**Thesbia, G. O. Sars.**

239 nana, Lovén.

**Pleurotoma, Lamarck.**

240 undatiruga, Biv.

241 simile, Biv.

**Hædropleura, Monterosato.**

242 septangularis, Montg.

243 a. secalina, Phil.

**Drillia, Gray.**

244 Maravignæ, Biv.

**Typhlomangelia, M. Sars.**

245 nivalis, Lovén.

**Spirotropis, G. O. Sars.**

246 carinata, Phil.

**Bela, Leach.**

247 rufa, Montg.

248 a. Cranchii, Brown.

249 b. semicostata, Jeff.

250 c. ulidiana, Thomp.

251 d. lactea, Jeff.

252 pyramidalis, Ström.

253 a. semiplicata, G. O. Sars.

254 bicarinata, Couth.

255 a. violacea, Migh.

256 b. livida, Möll.

257 c. Beckii, Möll.

258 d. cylindrica, Beck.

259 simplex, Midd.

260 turricola, Montg.

261 Trevelyana, Turt.

262 Sarsii, Verrill. = cancellata, G. Sars.

263 cancellata, Migh. = elegans, Möll.

264 a. declivis, Lovén.

265 obliqua, G. O. Sars.

266 angulosa, G. O. Sars.

267 nobilis, Möll.

268 cinerea, Möll.

269 scalaris, Möll.

270 a. abyssicola, Friele.

271 Kobelti, Verkr. = viridula, G. Sars.

272 rugulata, Möll.

273 a. assimilis, G. O. Sars.

274 b. spetzbergensis, Friele.

275 exarata, Möll.

276 harpularia, Couth. = rosea, M. Sars.

277 decussata, Couth. = viridula, Möll.

278 a. finmarchia, Friele.

**Bela, Leach.—continued.**

278 tenuicostata, M. Sars.

a. Willei, Friele.

279 ovalis, Friele. = exigua, Jeff.  
= pygmæa, Verrill.280 schantarica, Midd. = violacea, var.  
gigantea, Leche.

281 impressa, Beck.

**Halia Risso.**

282 priamus Beck.

**Cancellaria, Lamarck.**

283 cancellata, Lin.

284 a. similis, Sowerby.

b. nivea, Norman.

285 minima, Wats. M.

**Admete, Kröyer.**

286 viridula, Fabr.

287 a. Couthouyi, Jay.

288 inflata, Friele.

**B. Rhachiglossa.****Marginella, Lamarck.**

289 mitrella, Risso. = secalina, Phil.

290 miliaria, Lin.

291 a. cælata, Monts.

292 Philippii, Monts. = minuta, Phil.

293 epigrus, Reeve.

294 clandestina, Brocc.

295 a. occulta, Monts.

296 guancha, D'Orb. M.

**Cymbium, Montfort.**

297 papillatum, Schum.

**Volutomitra, Gray.**

298 grønlandica, Lamk.

**Mitra, Lamarck.**

299 ebenus, Lamk.

300 a. plumbea, Lamk.

301 b. inflata, Monts.

302 c. coccinea, B. D. &amp; D.

303 d. Defrancii, Payr.

304 cornicula, Lin.

305 lutescens, Lamk.

306 zebra, D'Orb.

**Mitrolumna, Bucq, Daut, & Doll.**307 olivoides, Cantr. = Columbella græca,  
Phil.**Troschelia, Mörch.**

308 berniciensis, King.

309 a. solida, Jeff.

310 b. inflata, Jeff.

**Fusus, Lamarck.**

- 311 pulchellus, Phil.  
 312 syracusanus, Lin.  
 313 rostratus, Oliv.  
 314 *a. fragosus*, Reeve.  
 315 elegans, Saff. *M.*  
 316 sitchensis, Midd.

**Fasciolaria, Lamarck.**

- 317 lignaria, Lin.

**Fulgur, Montfort.**

- 318 carica, Gmel.

**Sycotypus, Browne.**

- 319 canaliculatus, Lin.

**Metzgeria, Norman.**

- 320 alba, Jeff. = *Tritonium pusillum*. *M.*  
 Sars (*M. S.*)

**Volutopsis, Mörch.**

- 321 norvegica, Chemn.  
 322 castanea, Mörch. *P.*

**Jumala, Friele.**

- 323 Turtoni, Bean.

**Neptunea, Bolten.**

- 324 antiqua, Lin.  
 325 *a. carinata*, Turt.  
 326 *b. ventricosa*, Jeff.  
 327 *c. gracilis*, Jeff.  
 monst. sinistrorsa.  
 monst. cincta, Jeff.  
 monst. sulcata, Jeff.  
 monst. scalariformis, Jeff.  
 monst. bioperculata, Jeff.  
 328 decemcostata, Say.  
 329 despecta, Lin.  
 330 *a. fornicata*, Fabr.  
 331 *b. fasciata*, Friele.  
 332 *c. borealis*, Phil.  
 333 *d. tornata*, Fabr.  
 334 Behringii, Midd. *P.*

**Heliotropis, Dall.**

- 335 harpa, Mörch. *P.*

**Mohnia, Friele.**

- 336 Mohni, Friele.

**Sipho, Klein.**

- 337 propinquus, Alder.  
 338 Jeffreysianus, Fisch. = *buccinatus*, Jeff.  
 339 ebur, Mörch. = *Sarsii*, Jeff.  
 340 fusiformis, Broderip.  
 341 turritus, *M. Sars.* = *tortuosus*, *G. O. Sars.*  
 342 lachesis, Mörch.

**Sipho, Klein.—continued.**

- 343 Danielsseni, Friele.  
 344 gracilis, Da Cos.  
 345 *a. glaber*, Verkr.  
 346 islandicus, Chemn.  
 347 Stimpsoni, Mörch. = *curtus*, Jeff.  
 348 *a. brevis*, Verrill.  
 349 Sabini, Gray.  
 350 ventricosus, Gray  
 351 striatus, Reeve.  
 352 pygmæus, Stimp.  
 353 latericeus, Möll.  
 354 cretaceus, Reeve.  
 354\* plicatus Ad. *P.*  
 355 schantaricus, Midd. = *spetsbergensis*,  
 Reeve. *P.*  
 356 Kröyeri, Möll.

**Buccinopsis, Jeffreys.**

- 357 Dalei, J. Sow.

**Buccinum Linné.**

- 358 undatum, Lin.  
 359 *a. littorale*, King.  
 360 *b. incrassatum*, King.  
 361 *c. magnum*, King.  
 362 *d. striatum*, Penn.  
 363 *e. undulatum*, Möll.  
 364 *f. pelagicum*, King.  
 365 *g. fragile*, Verkr.  
 366 *h. parvulum*, Verkr.  
 367 *i. flexuosum*, Jeff.  
 368 *j. zetlandicum*, Forbes.  
 369 *k. Schneideri*, Verkr.  
 369\* *l. glabrum*, Jeff.  
 monst. sinistrorsum, Jeff.  
 monst. carinatum, Turt.  
 monst. imperiale, Reeve.  
 monst. acuminatum, Broderip.  
 monst. bioperculatum, Jeff.  
 &c., &c.  
 370 Donovanii, Gray.  
 371 ciliatum, Fabr.  
 372 tenue, Gray.  
 373 grønlandicum, Chemn.  
 374 *a. sericatum*, Hancock.  
 375 glaciale, Lin.  
 376 *a. Hancocki*, Mörch.  
 377 *b. unicarinatum*, Friele.  
 378 *c. bicarinatum*, Friele.  
 379 *d. tricarınatum*, Friele.  
 379\* *e. Rombergi*, Dunk. *P.*



**Buccinum Linné.**—continued.

- 380 terræ-novæ, Beck  
 381 inexhaustum, Verkr., and all his  
       varieties.  
 382 perdux, Mörch. = Finmarchicum,  
       Verkr.  
 383     *a. pulchellum*, G. O. Sars.  
 384 hydrophanum, Hancock.  
 385     *a. tumidulum*, G. O. Sars.  
 386 Humphreysianum, Bennett.  
 387     *a. lacteum*, Jeff.  
 388 fusiforme, Kiener. = ventricosum, Jeff.

**Volutharpa, Fischer.**

- 389 ampullacea, Midd. *P.*

**Euthria, Gray.**

- 390 cornea, Lin.

**Pollia, Weinkauff.**

- 391 D'Orbignii, Payr.  
 392 fusulus, Brocc. = Spadæ, Libassi.  
 393 bicolor, Cantr.  
 394 picta, Scacchi.  
 395 scabra, Monts.

**Pisania, Bivona.**

- 396 maculosa, Lamk.

**Bullia, Gray.**

- 397 vitrea, Roe. *M.*

**Nassa, Lamarck.**

- 398 gibbosula, Lin.  
 399     *a. circumcincta*, A. Adams.  
 400     *b. Pfeifferi*, Phil.  
 401 limata, Chemn.  
 402 reticulata, Lin.  
 403     *a. nitida*, Jeff.  
 404 pygmæa, Lamk.  
 405 incrassata, Ström.  
       *a. major*, Jeff.  
       *b. minor*, Jeff.  
       *c. simulans*, Jeff.  
       *d. rufa, nigra, rosea, lilacina, alba.*  
 406 semistriata, Brocc.  
 407 Tinei, Maravigna.  
 408 corniculata, Olivi.  
 409     *a. semiplicata*, Monts.  
 409\*     *b. elongata*, Monts.  
 410 costulata, Reni.  
 411     *a. madeirensis*, Reeve.  
 412     *b. tenuicosta*, B. D. & D.  
 413     *c. Ferrussacei*, Payr.

**Nassa, Lamarck.**—continued.

- 413\*     *d. encaustica*, Brus.  
       *e. minor, atra,*  
       *&c., &c.*  
 414 mutabilis, Lin.  
 415     *a. inflata*, Lamk.  
 416 granum, Lamk.  
 417 obsoleta, Say.  
 418 trivittata, Say.  
 419 vibex, Say.

**Cyclope, Risso.**

- 420 neritea, Lin.  
 421     *a. pellucida*, Risso.  
 422     *b. kamieschi*, Chemn.

**Columbella, Lamarck.**

- 423 rustica, Lin.  
 424     *a. elongata*, Phil.  
 425     *b. cuneata*, Monts.  
       *i. lactea*, Monts

**Mitrella, Risso.**

- 426 pediculus.  
 427 Crosseana, Recluz.  
 428 cribraria, J. & G. *M.*  
 429 scripta, Lin.  
 430     *a. Gervillei*, Payr.  
 431     *b. lanceolata*, Monts.  
 432     *c. Brisei*, Chier.  
 433 minor, Scacc.  
 434 lunata, Say.  
 435 avara, Say.  
 435\* Gouldii, Carp. *P.*

**Astyris, H. & A. Adams.**

- 436 rosacea, Gould.  
 437 haliæeti, Jeff.

**Murex, Lamarck.**

- 438 brandaris, Lin.  
 439     *a. coronatus*, Risso.  
 440 trunculus, Lin.  
 441     *a. falcatus*, D. & S.  
 442 erinaceus, Lin.  
 443     *a. tarentinus*, Lamk.  
 444     *b. torosus*, Lamk.  
 445 Edwardsii, Payr.  
 445\* Hellerianus, Brus.  
 446 distinctus, Ch. & Jan. = scalaroides,  
       Blain.  
 447 aciculatus, Lamk. = corallinus, Scac.  
 448     *a. minutus*, Desh.  
 449 labiosus, Chier.





**Pedicularia, Swainson.**

- 517      *sicula*, Swain.  
**Aporrhais, Da Costa.**  
 518      *pes-pelecani*, Lin.  
           *a. longispinosus*, Norman.  
 519      *serresianus*, Mich.  
 520           *a. Macandreae*, Jeff.  
 521      *occidentalis*, Beck.

**Triforis, Linné.**

- 522      *perversa*, Lin.  
 523           *a. adversa*, Montg.

**Cerithium, Adanson.**

- 524      *vulgatum*, Brug.  
 525           *a. alucastrum*, Brocc.  
 526           *b. gracile*, Phil.  
 527           *c. seminudum*, B. D. & D.  
 528           *d. repandum*, Monts.  
 529           *e. longissimum*, B. D. & D.  
 530           *f. citrinum*, Monts.  
 531           *g. inscriptum*, Monts.  
 532           *h. pulchellum*, Phil.  
 533           *i. melanium*, B. D. & D.  
 533\*      *j. hirtum*, B. D. & D.  
 534      *rupestre*, Risso.  
 535           *a. lividulum*, Risso.  
 536           *b. plicatum*, B. D. & D.  
 537      *conicum*, Blainv.  
 538           *a. minor*, Monts.  
 538\*           *b. fusca*, Monts.  
 539      *Cumingii*, Sow. *P.*

**Bittium, Leach.**

- 540      *reticulatum*, Da Costa.  
 541           *a. scabrum*, Olivi.  
 542           *b. Latreillei*, Payr.  
 543           *c. paludosum*, B. D. & D.  
 544           *d. jadartinum*, Brus.  
 545           *e. exiguum*, Monts.  
           *f. album*, Norman.  
 546      *submamillatum*, Rayn. = *pusillum*, Jeff.  
 547      *lacteum*, Phil.  
 548           *a. tessellatum*, B. D. & D.  
 549      *Greenii*, Adams.  
 550      *nigrum*, Totten.

**Lovenella, G. O. Sars.**

- 551      *metula*, Lovén.

**Læocochlis, Dunk & Metz.**

- 552      *Macandreae*, H. Ad. vix = *granosa*, Wood.

**Cerithiopsis, Forbes & Han.**

- 553      *tubercularis*, Montg.  
 554           *a. minima*, Brus.

**Cerithiopsis, Forbes & Han.—continued.**

- 555      *scalaris*, Monts.  
 556      *bilineata*, Hörnes.  
 557      *rugulosa* Sow. = *metaxæ*, Del. Ch.  
 558      *diadema*, Wats.  
 559      *acuminata*, Monts.  
 560      *horrida*, Jeff.  
 561      *Jeffreysii*, Wats. = *pulchella*, Jeff.  
 562      *fayalensis*, Wats. = *corona*, Wats.  
 563      *atalaya*, Wats. *M.*  
 564      *tiara*, Wats.  
 564\*      *Clarkii*, F. & H.  
 564\*\*      *exarata*, Monts.  
 565      *costulata*, Möll.

**Trichotropis, Brod. & Sow.**

- 566      *borealis*, Brod & Sow.  
 567           *a. conica*, Möll.  
 568           *b. acuminata*, Jeff.  
 569      *Kröyeri*, Phil.  
 570      *insignis*, Midd. *P.*  
 571      *cancellata*, Hinds. *P.*  
 572      *bicarinata*, Brod & Sow. *P.*

**Torellia, Jeffreys.**

- 573      *vestita*, Jeff.

**Siliquaria, Lamarck.**

- 574      *anguina*, Lin.

**Vermetus, Adanson.**

- 575      *gigas*, Biv.  
 576      *triqueter*, Biv.  
 577      *lumbicalis*, Gmel.  
 578      *cristatus*, Biondi.  
           *a. albina*.  
 579      *glomeratus*, Lin. = *subcancellatus*, Brus.  
 580      *selectus*, Monts.  
 581      *semisurrectus*, Biv.

**Mesalia, Gray.**

- 582      *brevialis*, Lamk.  
 583      *reticulata*, Migh. & Ad. = *Turr. lactea*, Möll.

**Turritella, Lamarck.**

- 584      *terebra*, Lin. = *communis*, Risso.  
 585           *a. gracilis*, Jeff.  
           *b. nivea*, Jeff.  
 586      *incrassata*, J. Sow. = *triplicata*, Brocc.  
 587      *decipiens*, Monts.  
 588      *tricarinata*, Brocc.  
 589      *erosa*, Couth. = *polaris*, Beck.

**Turritelopsis, G. O. Sars.**

- 590      *acicula*, Stimp.

**Mathilda, Semper.**

- 591 elegantissima, O. G. Cos.  
 592 quadricarinata, Broc. *M.*

**Parastrophia, De Folin.**

- 593 Folini, B. D. & D.

**Cæcum, Fleming.**

- 594 glabrum, Montg.  
 595 vitreum, Carpenter. *M.*  
 596 trachea, Montg.  
 597 lævissimum, Cantr. = auriculatum, De Folin.  
 598 subannulatum, De Folin.  
 599 rugulosum, Phil. = obsoletum, Monts.

**Littorina, Férussac.**

- 600 littorea, Lin.  
 601 *a.* turrita, Jeff.  
       monst. carinata, scalariformis, &c.  
 602 grandis, Midd.  
 603 rudis, Maton.  
 604 *a.* sulcata, Leach.  
 605 *b.* jugosa, Montg.  
 606 *c.* globosa, Jeff.  
 607 *d.* patula, Thorpe.  
 608 *e.* tenebrosa, Montg.  
 609 *f.* similis, Jeff.  
 610 *g.* lævis, Jeff.  
 611 *h.* saxatilis, Johnston.  
 612 *i.* grønlandica, Möll.  
 613 curila, Midd. *P.*  
 614 striata, King. *M.*  
 615 *a.* affinis, D'Orb. *M.*  
 616 punctata, Gmel.  
 617 neritoides, Lin.  
 618 obtusata, Lin.  
 619 *a.* neritiformis, Brown.  
 620 *b.* orana, Jeff. = palliata, F. & H.  
 621 *c.* fabalis, Turt.  
 622 *d.* æstuarii, Jeff.  
 623 palliata, Say.  
 624 *a.* forma-elatior, G. O. Sars.  
       monst. coarctata, G. O. Sars.  
 625 irrorata, Say.  
 626 sitkana, Phil. *P.*  
 627 arctica, Möll.

**Lacuna, Turton.**

- 628 pallidula, Da Cos.  
 629 *a.* neritoidea, Gould.  
 630 *b.* patula, Thorpe.  
 631 puteolus, Turt.

**Lacuna, Turton.—continued.**

- 632 divaricata, Fabr.  
 633 *a.* canalis, Montg.  
 634 *b.* quadrifasciata, Montg.  
 635 *c.* gracilior, Metcalfe.  
 636 *d.* solidula, Lovén.  
 637 *e.* albella, Lovén.  
 638 *f.* frigida, Lovén.  
 639 crassior, Montg.

**Cithna, C. Adams.**

- 640 tenella, Jeff.

**Hersilia, Monterosato.**

- 641 mediterranea, Monts.

**Fossarus, Philippi.**

- 642 costatus, Brocc.  
 643 ambiguus, Lin.  
 644 granulum, Brugu.  
 645 azonus, Brus.

**Solarium, Lamarck.**

- 646 architæ, O. G. Cos.  
 647 fallaciosum, Tiberi.  
 648 conulus, Weink.

**Bifrontia, Deshayes.**

- 649 zancea, Phil.

**Skenea, Fleming.**

- 650 planorbis, Fabr.  
 651 *a.* pellucida, Monts.

**Homologyra, Jeffreys.**

- 652 atomus, Phil.  
 653 rota, F. & H.  
 654 tricarinata, Webster.

**Jeffreysia, Alder.**

- 655 diaphana, Alder.  
 656 opalina, Jeff.  
 657 globularis, Jeff.

**Litiopa, Rang.**

- 658 bombyx, Rang.

**Rissoina, D'Orbigny.**

- 659 Bruguieri, Payr.

**Zippora, Leach.**

- 660 auriscalpium, Lin.  
 661 *a.* acicula, Desm.  
 662 membranacea, Adams.  
 663 *a.* fragilis, Mich.  
 664 *b.* labiosa, Monts.  
 665 *c.* discrepans, Brown.  
 666 *d.* octona, Nilsson.  
 667 ventricosa, Desm.

**Zippora, Leach.**—continued.

- 668 grossa, Mich. = venusta, Phil.  
 669 oblonga, Desm.  
 670 elata, Phil.

**Schwartzia, Bucq, Daut, & Dol.**

- 671 monodonta, Biv.

**Rissoa, Fremenville.**

- 672 parva, Da Cos.  
 673 *a. interrupta*, Adams.  
      *b. nigra*, Norman.  
 674 cornea, Lovén.  
 675 marginata, Mich.  
 676 *a. radiata*, Phil.  
 677 *b. plicatula*, Risso.  
 678 *c. pulchella*, Phil.  
 679 *d. munda*, Monts.  
 680 *e. simplex*, Phil.  
 681 Targioni, Appelius.  
 682 inconspicua, Alder.  
 683 *a. variegata*, Mohrn.  
 684 *b. albella*, Lovén.  
 685 *c. Sarsii*, Lovén.  
 686 dolium, Nyst. = nana and pusilla, Phil.  
 687 similis, Scacc.  
 688 *a. striata*, Monts.  
 689 *b. apiculata*, Dan & Sand.  
 690 *c. lævis*, Wats.  
 691 Guerini, Récluz.  
 692 *a. costulata*, Alder.  
 693 *b. decorata*, Phil.  
 694 *c. subcostulata*, Monts.  
 695 *d. lia*, Monts.  
 696 nitens, Monts.  
 697 splendida, Eichw.  
 698 *a. taurica*, Verkr.  
 699 variabilis, Mühlf.  
 700 *a. elongata*, Monts.  
 701 *b. brevis*, Monts.  
 702 *c. spongicola*, Monts.  
 703 violacea, Desm.  
 704 *a. rufilabrum*, Desm.  
 705 *b. lilacina*, Recluz.  
 706 *c. porifera*, Lovén.  
 707 Verrilli, Friele.

**Alvania, Risso.**

- 708 Montagui, Payr.  
 709 *a. lineata*, Risso.  
 710 (1) corrugata, Brus.  
 711 *b. consociella*, Monts.

**Alvania, Risso.**—continued.

- 712 algeriana, Monts.  
 713 *a. rufula*, Monts.  
 714 aspera, Phil.  
 715 peloritana, Aradas & Ren.  
 716 lancix, Calc. = scabra, Auct., non Phil.  
 717 scabra, Phil. = mutabilis, Schw.  
 718 Philippiana, Jeffr. = pagodula, B. D. & D.  
 719 Weinkauffi, Schw.  
 720 subareolata, Monts.  
 721 Jeffreyssii, Waller. = sororcula, Gran.  
 722 abyssicola, Forbes.  
 723 Testæ, Aradas.  
 724 subsoluta, Aradas.  
 725 jan-mayeni, Friele.  
 726 scrobiculata, Müller.  
 727 canariensis, D'Orb. *M.*  
 728 aurantiaca, Wats. *M.*  
 729 Macandrewii, Manz. *M.*  
 730 *a. spreta*, Wats. *M.*  
 731 euchila, Wats. *M.*  
 732 crispa, Wats. *M.*  
 733 calathus, Forbes.  
 734 exasperata, Monts.  
 735 hispidula, Monts.  
 736 cimicoides, Forbes. = sculpta, Phil.  
 737 cimex, Lin.  
 738 cancellata, Da Cos. = crenulata, Mich.  
 739 *a. hirta*, Monts.  
 740 Leacocki, Wats. *M.*  
 741 cingulata, Phil.  
 742 subcrenulata, Schw.  
 743 reticulata, Montg.  
 744 *a. Geryonius*, Brus. = Mariæ, auct.  
 745 tarsodes, Wats. (non D'Orb.)  
 746 rudis, Phil.  
 747 punctura, Montg.  
 748 lactea, Mich.  
 749 Wyville-Thomsoni, Jeff.  
 750 carinata, Da Cos. = striatula, Montg.  
 751 *a. ecarinata*, Monts.

**Flemingia, Jeffreys.**

- 752 zetlandica, Montg.  
 753 costata, Adams.  
 754 crispa, Wats.  
 755 gibbera, Wats.

**Cingula, Fleming.**

- 756 semistriata, Montg.  
 757 Beanimina, Monts. = concinna, Monts.



**Cingula, Fleming.**—continued.

- 758 simulans, Monts. = Watsoni, Monts.  
non. Schw.  
759 tenera, Phil.  
760 obtusa, Cantr. = Alderi, Jeff.  
761 Watsoni, Schw. *M.*  
762 monizoniana, Wats. *M.*  
763 callosa, Manz. *M.*  
764 picta, Wats. *M.*  
765 depicta, Manz. *M.*  
766 albugo, Wats. *M.*  
767 spadix, Wats. *M.*  
768 castanea, Möll.  
769 trifasciata, Adams. = cingillus, Montg.  
770 *a.* rupestris, Forbes.  
771 *b.* graphica, Turt.

**Onoba, H. & A. Adams.**

- 772 striata, Adams.  
773 *a.* saxatilis, Möll. = aculeus,  
Gould: = arctica, Lovén.  
774 arenaria, Migh. & Adams.  
775 vitrea, Montg.  
776 proxima, Alder.  
777 coriacea, Manz. *M.*  
778 tenuisculpta, Wats.

**Nodulus, Monterosato.**

- 779 contortus, Jeff.  
780 *a.* intortus, Monts.

**Peringiella, Monterosato.**

- 781 nitida, Brus.  
782 *a.* elongata, Monts.  
783 epidaurica, Brus.  
784 seminulum, Monts.  
785 glabrata, Mühlf. = punctulum, Phil.  
786 *a.* balteana, Manz.  
787 *b.* turrita, B. D. & D.  
788 *c.* albina, Monts.  
789 lincta, Wats. *M.*  
790 lævis, Monts.

**Setia, H. & A. Adams.**

- 791 pulcherrima, Jeff.  
792 fusca, Phil.  
793 turriculata, Monts.  
794 soluta, Phil. (nec. Forbes & Hanley)  
795 amabilis, Monts.  
796 Alleryana, Arad. & Ber.  
797 cossuræ, Calc.  
798 fulgida, Adams.  
799 turgida, Jeff.

**Setia, H. & A. Adams.**—continued.

- 800 tumidula, G. O. Sars.  
801 macilenta, Monts.  
802 globulus, Möll.

**Barleeia, Clark.**

- 803 rubra, Montg.  
804 *a.* unifasciata, Montg.  
805 *b.* pallida, Jeff.

**Hydrobia, Hartmann.**

- 806 stagnalis, Bast. = ulvæ, Penn.  
807 *a.* Barleei, Jeff.  
808 *b.* subumbilicata, Montg.  
809 *c.* truncata, Norman.  
810 *d.* balthica, Nilsson.  
811 *e.* minuta, Totten.  
812 *f.* Girardoti, Palad.  
813 *g.* obeliscus, Palad.  
813\* pictonum, Palad.  
814 acuta, Drap.  
815 *a.* Brondelii, Bourg.  
816 viridescens, Risso. = salinesii, Aradas.  
817 cornea, Risso.  
818 pusilla, Eichw.  
819 caspia, Eichw.  
820 gracilis, Morel. *M.*  
821 ventrosa, Montg.  
822 *a.* elongata, Jeff.  
823 *b.* pellucida, Jeff.  
824 *c.* decollata, Jeff.

**Assiminia, Leach.**

- 825 Grayana, Gray.  
826 littorina, Del. Ch.  
827 sicana, Brugn.

**Truncatella, Risso.**

- 828 truncatula, Drap.  
829 *a.* lævigata, Risso.  
830 *b.* microstoma, Monts.

**Capulus, Montfort.**

- 831 hungaricus, Lin.

**Calyptraea, Lamarck.**

- 832 chinensis, Lin.

**Crepidula, Lamarck.**

- 833 unguiformis, Lin.  
834 Moulinsi, Mich.  
835 plana, Say.  
836 convexa, Say.  
837 fornicata, Lin.

**Xenophora, Fischer.**

- 838 mediterranea, Tiberi.

**Velutina, Fleming.**

- 839 lævigata, Penn.  
 840 lanigera, Möll.  
 841 Schneideri, Friele.  
 842 derugata, Becher.

**Morvillia, Gray.**

- 843 undata, Brown.

**Velutella, Gray.**

- 844 flexilis, Montg.

**Lamellaria, Montagu.**

- 845 perspicua, Lin.  
 846 tentaculata, Montg.

**Onchidiopsis, Bergh.**

- 847 gröenlandica, Bergh.

**Marsenia, Gray.**

- 848 prodita, Lovén.  
 849 micromphala, Bergh.

**Natica, Adanson.**

- 850 clausa, Brod. & Sow.  
 851 *a. elatior*, Midd.  
 852 *affinis*, Gmel.  
       *a. vittata*, Jeff.  
 853 flammulata, Requ. = *Sagraina*, Weink.  
 854 Dillwynii, Payr.  
       *a. efasciata*, Monts.  
 855 hebræa, Martyn.  
 856 millepunctata, Lamk.  
 857 Adansoni, Phil. *M.*

**Lunatia, Gray.**

- 858 gröenlandica, Beck. = *pusilla*, F. & H.  
 859 sordida, Phil.  
 860 catena, Da Cos.  
 861 pulchella, Risso. = *Alderi*, Forbes.  
 862 *a. subovalis*, Jeff.  
 863 *b. conica*, Jeff.  
       *c. lactea*, Jeff.  
 864 Montagui, Forbes.  
 865 *a. conica*, Jeff.  
       *b. albula*, Jeff.  
 866 nana, Möll.  
 867 porcelana, D'Orb.  
 868 Guillemini, Payr. = *marmorata*, Risso.  
 869 trifasciata, Say.  
 870 immaculata, Totten.  
 871 intricata, Don. = *Valenciensii*, Risso.  
 872 *a. similis*, Monts.  
       *b. lactea & fusca*, Monts.  
 872\* intricatoides, Hidalgo.  
 873 variabilis, Recluz.

**Lunatia, Gray.—continued.**

- 874 macilentia, Phil.  
 875 *Rizzæ*, Phil.  
 876 *marochiensis*, Gmel.  
 877 heros, Say.

**Amauropsis, Mörch.**

- 878 islandica, Bean.

**Neverita, Risso.**

- 879 Josephinæ, Risso.  
 880 duplicata, Say.

**Ampullina, Lamarck.**

- 881 Smithii, Brown.

**Sequenzia, Jeffreys.**

- 882 eritima, Verrill.

**Adeorbis, S. Wood.**

- 883 subcarinata, Montg.

*D. Ptenoglossa.***Janthina, Bolten.**

- 884 rotundata, Leach.  
 885 bicolor, Menke.  
 886 nitens, Menke.  
 887 *a. splendens*, Monts.  
 888 pallida, Phil.  
 889 exigua, Lamk.

**Acirsa, Mörch.**

- 890 subdecussata, Cantr.  
 891 borealis, Beck. = *Turr. Eschrichtii*, Höllb. & Möll.

**Scalaria, Lamarck.**

- 892 communis, Lamk.  
 893 clathrus, Lin. *M.*  
 894 Turtonæ, Turt.  
 895 *a. planicosta*, Biv.  
 896 commutata, Lamk. = *pseudoscalaris*, Brocc.  
 897 Cantrainei, Weink.  
 898 Trevelyana, Leach.  
 899 frondosa, S. Wood.  
 900 *a. soluta*, Tiberi.  
 901 *b. algeriana*, Weink.  
 902 crenata, Lin.  
 903 cochlea, Sow. *M.*  
 904 hellenica, Forbes.  
 905 pulchella, Phil.  
 906 clathratula, Montg.  
 907 candidissima, Monts.  
 908 coronata, Phil. *M.*

**Scalaria, Lamarck.**—continued.

- 909 Schultzi, Weink. *M.*  
 910 groenlandica, Chemn.  
 911 *a.* crebricostata, G. O. Sars.  
 912 *b.* Loveni, G. O. Sars.

**Hemiaclis, G. O. Sars.**

- 913 ventrosa, Jeff.  
 914 glabra, G. O. Sars.

**Aclis, Lovén.**

- 915 supranitida, Wood.  
 916 Walleri, Jeff.  
 917 *a.* carinata, Norman.  
 918 ascaris, Montg.  
 919 exigua, G. O. Sars.

**Cioniscus, Jeff.**

- 920 gracilis, Jeff.  
 921 unicus, Montg.

**Pherusina, Norman.** = *Pherusa*, Jeff.

- 922 Gulsonæ, Clark.

*E. Gymnoglossa.***Stylifer, Broderip.**

- 923 Turtoni, Broderip.

**Eulima, Risso.**

- 924 polita, Lin.  
 925 *a.* brevis, Requ.  
 926 intermedia, Cantr.  
 927 incurva, Ren. = *distorta*, Desh.  
 928 *a.* gracilis, Jeff.  
 929 Stalioi, Brus.  
 930 Jeffreysiana, Brus.  
 931 curva, Jeff.  
 932 microstoma, Brus.  
 933 piriformis, Brugn.  
 934 subulata, Don.  
 935 bilineata, Ald.  
 936 stenostoma, Jeff.

**Turbonilla, Risso.**

- 937 rufa, Phil.  
 938 *a.* fulvocincta, Thomp.  
 939 exigua, Monts.  
 940 lactea, Lin.  
 941 gradata, Monts.  
 942 innovata, Monts. = *pusilla*, Jeff.  
 943 pusilla, Phil.  
 944 acutissima, Monts.  
 945 delicata, Monts.  
 946 striatula, Lin.  
 947 rosea, Monts.

**Turbonilla, Risso.**—continued.

- 948 indistincta, Montg.  
 949 clathrata, Jeff. *M.*  
 950 micans, Monts.  
 951 costulata, Verrill.  
 952 compressa, Jeff.

**Parthenia, Lowe.**

- 953 interstincta, Montg.  
 954 *a.* gracilis, Phil. = *emaciata*, Monts.  
 955 *b.* præcisa, Monts.  
 956 *c.* gracilentata, Monts.  
 957 *d.* Moulinsiana, Fischer.  
 958 *e.* intermixta, Monts. = *Jeffreysii*, B. D. & D.

- 959 brevicula, Jeff.  
 960 monozona, Brus.  
 961 flexuosa, Jeff.  
 962 Penchynati, B. D. & D.  
 963 dissimilis, Tib. *M.*  
 964 rufescens, Forbes.  
 965 scalaris, Forbes.  
 966 canaliculata, Phil.  
 967 excavata, Phil.  
 968 decussata, Montg.  
 969 tricineta, Jeff.  
 970 spiralis, Montg.  
 971 turbonilloides, Brus.  
 972 eximia, Jeff.  
 973 sublustris, Friele.  
 974 fenestrata, Forbes.

**Nœmia, De Folin.**

- 975 dolioliformis, Jeff.

**Odostomia, Fleming.**

- 976 conspicua, Alder.  
 977 conoidea, Brocc. = *polita*, Biv.  
 978 unidentata, Montg.  
 979 acuta, Jeff.  
 980 *a.* umbilicata, Ald.  
 981 turrita, Hanley.  
 982 *a.* striolata, Ald.  
 983 plicata, Montg.  
 984 rissoides, Hanley.  
 985 *a.* alba, Jeff.  
 986 *b.* nitida, Ald.  
 987 *c.* dubia, Jeff.  
 988 pallida, Montg.  
 989 umbilicaris, Malm.  
 990 Lukisi, Jeff.  
 991 albella, Lovén.



**Odostomia, Fleming.**—continued.

- 992 truncatula, Jeff.  
 993 nivosa, Montg. = cylindrica, F. & H.  
 994 minima, Jeff.  
 995 minuscula, Monts.  
 996 Normani, Friele.  
 997 fallax, Monts.

**Auriculina, Gray.**

- 998 obliqua, Ald.  
 999 Warrenii, Thomp.  
 1000 diaphana, Jeff.  
 1001 insculpta, Montg.  
 1002 scandens, Brugn.  
 1003 Monterosatoi, Kobelt.  
 1004 elegans, Monts. = vitrea, Brus.  
 1005 fusulus, Monts.  
 1006 Erjaveciana, Brus.

**Liostomia, G. O. Sars.**

- 1007 clavula, Lovén.  
 1008 eburnea, Stimp.  
 1009 pistillus, Brugn.

**Eulimella, Forbes.**

- 1010 Scillæ, Scacc.  
 1011 compactilis, Jeff.  
 1012 obeliscus, Jeff.  
 1013 acicula, Phil. = commutata, Monts.  
 1014 *a. subcylindrica*, Dunk.  
 1015 ventricosa, Forbes.  
 1016 nitidissima, Montg.  
 1017 Pointeli, De Folin.  
 1018 minuta, H. Adams.  
 1019 macilenta, Monts.

**Menestho, Möller.**

- 1020 Humboldtii, Risso.  
 1021 *a. sulcata*, B. D. & D.  
 1022 *b. tuberculata*, B. D. & D.

***F. Bhipidoglossa.*****Hydrocena, Parreyss.**

- 1023 cattaroensis, Pfeiffer.

**Smaragdia, Issel.**

- 1024 viridis, Lin.

**Phasianella, Lamarck.**

- 1025 pullus, Lin.  
 1026 *a. picta*, Da Cos.  
 1027 tenuis, Mich. = intermedia, Scacc.  
 1028 *a. punctata*, Risso.  
 1029 *b. Hoberti*, Brus.

**Phasianella, Lamarck.**—continued.

- 1030 speciosa, Mühlf.  
*a. lactea, virens, rubra, &c.*

**Turbo, Linné.**

- 1031 rugosus, Lin.  
 1032 sanguineus, Lin.

**Mölleria, Jeffreys.**

- 1033 costulata, Möll.  
 1034 lævigata, Jeff.

**Cyclostrema, Marryat.**

- 1035 Cutlerianum, Clark.  
 1036 nitens, Phil. = Trochus pusillus, F. & H.  
 1037 serpuloides, Montg. = divisa, Flem.  
 1038 basistriatum, Jeff.  
 1039 rugulosum, Jeff.  
 1040 exilissimum, Phil.  
 1041 Petterseni, Friele. = trochoides, Jeff.  
 1042 laminarum, Jeff.  
 1043 areolatum, G. O. Sars.  
 1044 profundum, Friele.  
 1045 millepunctatum, Friele.  
 1046 tenerum, Jeff.  
 1047 conspicuum, Monts.

**Clanculus, Mühlfeldt.**

- 1048 corallinus, Gmel.  
 1049 cruciatus, Lin. = Vieilloti, Payr.  
 1050 *a. candidus*.  
 1051 Jussieui, Payr.  
 1052 *a. glomus*, Phil.  
 1053 Bertheloti, D'Orb. *M.*

**Olivia, Cantraine.**

- 1054 Tinei Calc. = Craspedotus limbatus, Weink.

**Zizyphinus, Leach.**

- 1055 zizyphinus, Lin.  
 1056 *a. Lyonsii*, Fleming.  
 1057 *b. elatus*, Jeff.  
 1058 *c. conuloides*, Lamk.  
 1059 *d. cingulatus*, Weink.  
 1060 *e. lævigatus*, J. Sow.  
     (1) albidus, Norman.  
     (2) violaceus, Norman.  
 1061 conulus, Lin.  
 1062 *a. dubius*, Phil.  
 1063 *b. Languieri*, Payr.  
 1064 *c. violaceus*, Risso.  
     *d. niveus*, Norman.  
 1065 Gualterianus, Phil.  
     *a. candidus*, Monts.

**Zizyphinus, Leach.**—continued.

- 1066 granulatus, Born.  
     *a. lacteus*, Jeff.  
 1067 Montagui, Wood.  
 1068 tumidulus, Aradas.  
 1069 pupilla, Gould. *P.*  
 1070 iridescens, Midd. *P.*  
 1071 millegranus, Phil.  
 1072     *a. pyramidatus*, Jeff.  
 1073 occidentalis, Migh.  
     *a. purus*, Jeff.  
 1074 exasperatus, Penn.  
 1075     *a. igneus*, Monts.  
 1076     *b. Matoni*, Payr.  
 1077     *c. excavatus*, Monts.  
 1078 unidentatus, Phil.  
 1079 fraterculus, Monts.  
 1080 striatus, Lin.  
 1081     *a. depictus*, Desh. = Gravesi,  
     Forbes.  
 1082     *b. æquistriatus*, Monts.  
 1083     *c. elenchoides*, Monts.  
 1084     *d. smaragdinus*, Monts.  
 1085     *e. Gravinæ*, Monts.  
 1086     *f. ruscurianus*, Monts.

**Forskålia, H. & A. Adams.**

- 1087 fanulum, Gmel.  
 1088 Guttadauri, Phil.

**Gibbula, Risso.**

- 1089 magus, Lin.  
     *a. alba*, Jeff.  
     *b. straminea*, Phil.  
 1090 umbilicata, Montg.  
 1091     *a. sarniensis*, Norman. = agathensis, Jeff.  
 1092 agathensis, Recluz.  
 1093 cineraria, Lin.  
 1094     *a. electissima*, Jeff.  
 1095 leucophæa, Phil.  
 1096 albida, Gmel.  
 1096\* schantarica, Midd. *P.*  
 1097 umbilicaris, Lin.  
 1098     *a. latior*, Monts.  
 1099 ardens, Von Salis. = Fermoni, Payr.  
 1200     *a. succincta*, Monts.  
 1201     *b. barbara*, Monts.  
 1202 Philberti, Recluz. = villica, Phil.  
 1203 varia, Lin.  
 1204     *a. marmorata*, Requ.

**Gibbula, Risso.**—continued.

- 1205 tumida, Montg.  
 1206 pygmæa, Risso. = Racketti, Payr.  
 1207 Candei, D'Orb. *M.*  
 1208 divaricata, Lin. = Lessonii, Payr.  
 1209     *a. rarilineata*, Mich.  
 1210 Spratti, Forbes.  
 1211 Adasoni, Payr.  
 1212     *a. adriatica*, Phil.  
 1213 drepanensis, Brugn.  
 1214     *a. Vimontixæ*, Monts.  
 1215 turbinoides, Desh.

**Phorcus, Risso.**

- 1216 Richardi, Payr.

**Trochocochlea, Klein.**

- 1217 crassa, Pult.  
 1218     *a. denudata*, Monts.  
 1219 turbinata, Born. = fragaroides, Lamk.  
 1220 articulata, Lamk.  
 1221     *a. trivialis*, Monts.  
 1222     *b. retuga*, Monts.  
 1223 colubrina, Gould. = sagittifera,  
     Hidalgo.

**Solariella, S. Wood.**

- 1224 obscura, Couth.  
 1225     *a. bella*, Verkr.  
 1226     *b. albula*, Gould.  
 1227 varicosa, Migh.  
 1228 cincta, Phil. = amabilis, Jeff.

**Circulus, Jeffreys.**

- 1229 striatus, Phil. = Duminyi, Requ.  
 1230 formosissimus, Brugn. = Cyclos. Jeffreysii, Monts. (*M.S.*)

**Margarita, Leach.**

- 1231 helicina, Fabr.  
 1232 grønlandica, Chemn.  
 1233     *a. lævior*, Jeff.  
 1234     *b. albida*, Jeff.  
 1235 umbilicalis, Brod. & Sow.  
 1236 cinerea, Couth.  
 1237 striata, Brod. & Sow.  
 1238 olivacea, Brown. = argentata, Gould.  
 1239     *a. Harrisoni*, Hancock.  
 1240 Vahlhi, Möll. = pusilla, Jeff.

**Cocculina, Dall.**

- 1241 spinigera, Jeff.

**Haliotis, Linné.**

- 1242 tuberculata, Lin.  
 1243 lamellosa, Lamk.  
 1244 *a. striata*, Monts.  
 1245 *b. reticulata*, Reeve.

**Scissurella, D'Orbigny.**

- 1246 crispata, Flem.  
 1247 *a. angulata*, Lovén.  
 1248 costata, D'Orb. = plicata, Phil.  
                   = cancellata, Jeff.  
 1249 *a. lævigata*, D'Orb.  
 1250 aspera, Phil.

**Scismope, Jeffreys.**

- 1251 cingulata, O. G. Cos.

**Fissurella, Bruguière.**

- 1252 græca, Lin. = reticulata, Da Cos.  
 1253 gibberula, Lamk. = gibba, Phil.  
 1254 nubecula, Lin.  
 1255 neglecta, Desh. = costaria, DeFr.  
 1256 producta, Monts.  
 1257 dorsata, Monts.

**Emarginula, Lamarck.**

- 1258 crassa, Sow.  
 1259 *a. depressa*, G. O. Sars.  
 1260 fissura, Lin. = reticulata, J. Sow.  
 1261 solidula, O. G. Cos.  
 1262 cancellata, Phil.  
 1263 papillosa, Risso. = adriatica, O. G. Cos.  
 1264 elongata, O. G. Cos.  
 1265 conica, Schum. = rosea, Bell.  
 1266 *a. capuliformis*, Phil. = pileolus,  
                   Phil.

- 1267 multistriata, Jeff.  
 1268 Huzardi, Payr.  
 1269 *a. depressa*, Phil.  
 1270 tenera, Monts.

**Fissurisepta, Sequenza.**

- 1271 rostrata, Seq.

**Puncturella, Lowe.**

- 1272 noachina, Lin.

**Propilidium, Forbes & Hanley.**

- 1273 ancyloides, Forbes.

**G. Dacoglossa.****Acmaea, Eschscholtz.**

- 1274 testudinalis, Müll.  
                   *a. alba*.  
 1275 *b. patina*, Esch. *P.*  
 1276 alveus, Conrad,

**Acmaea, Eschscholtz.—continued.**

- 1277 persona, Esch. *P.*  
 1278 *a. digitalis*, Esch. *P.*  
 1279 cassis, Esch. *P.*  
 1280 virginea, Müll.  
                   *a. lactea*, Jeff.  
 1281 rubella, Fabr.

**Pilidium, Forbes & Hanley.**

- 1282 fulvum, Müll.

**Lepeta, Gray.**

- 1283 cæca, Müll.

**Helcion, Montfort.**

- 1284 pellucidum, Lin.  
 1285 *a. læve*, Penn.

**Patella, Linné.**

- 1286 vulgata, Lin.  
 1287 *a. aspera*, Phil.  
 1288 *b. scutellaris*, Lamk.  
 1289 *c. tarentina*, Von Salis.  
 1290 *d. cærulea*, Lin.  
 1291 *a. fragilis*, Phil.  
 1292 *e. picta*, Jeff.  
 1293 *f. elevata*, Jeff.  
 1294 *g. lusitanica*, Gmel. = punctata,  
                   Lamk.  
 1295 athletica, Bean.  
 1296 ferruginea, Gmel.  
                   *a. Safiana*, Lamk.  
 1297 Candeï, D'Orb. *M.*  
 1298 rustica, Lin. *M.*

**Order V.—Polyplacophora.****Chiton, Linné.**

- 1300 fascicularis, Lin.  
 1301 *a. gracilis*, Jeff.  
 1302 discrepans, Brown.  
 1303 abyssorum, M. Sars.  
 1304 mendicarius, Migh. = Hanleyi, Bean.  
 1305 æneus, Risso.  
 1306 albus, Lin.  
                   *a. infuscatus*.  
 1307 exaratus, G. O. Sars.  
 1308 marginatus, Penn.  
 1309 variegatus, Phil.  
 1310 cinereus, Lin. = algericensis, Capello.  
 1312 arcticus, G. O. Sars.  
 1313 cancellatus, Sow.  
 1314 alveolus, M. Sars.  
 1315 scabridus, Jeff.



**Chiton, Linné.**—continued.

- 1316 Rissoi, Payr.  
 1317 furtivus, Monts.  
 1318 caprearum, Scacc. = Polii, Phil.  
 1319 cajetanus, Poli.  
 1320 olivaceus, Speng. = sculus, Gray.  
 1321 corallinus, Risso.  
 1322 phaseolinus, Monts.  
 1323 ruber, Lin.  
 1324 fulvus, Wood.  
 1325 submarmoreus, Midd. *P.*  
 1326 marmoreus, Fabr.  
 1327 lævis, Penn.

**Katharina, Gray.**

- 1328 tunicata, Wood.

**Cryptochiton, Gray.**

- 1329 Stelleri, Midd. *P.*

**Order VI.—Aplacophora.****Neomenia, Tullberg.**

- 1330 carinata, Tullberg. = Solenopus nitidulus, M. Sars. (M.S.)

**Chætoderma, Lovén.**

- 1331 nitidulum, Lovén.

**Class IV.—SCAPHOPODA.**  
**= SOLENOCONCHIA.**

**Dentalium, Linné.**

- 1332 entalis, Lin.  
 1333 striolatum, Stimp. = abyssorum, M. Sars.  
 1334 agile, M. Sars.  
 1335 vulgare, Da Cos. = tarentinum, Lamk.  
 1336 capillosum, Jeff.  
 1337 ensiculus, Jeff.  
 1338 dentalis, Lin.  
 1339 *a.* novemcostatum, Lamk.  
 1340 *b.* tenue, Monts.  
 1341 panormitanum, Chenu.  
 1342 rubescens, Desh.  
 1343 filum, J. B. Sow. = gracile, Jeff.

**Dischides, Jeffreys.**

- 1344 bifissus, S. Wood.

**Siphonodentalium, M. Sars.**

- 1345 vitreum, M. Sars.

**Pulsellum, Stoliczka.**

- 1346 lofotense, M. Sars.  
 1347 affine, M. Sars.  
 1348 quinquangulare, Forbes.

**Cadulus, Phillipi.**

- 1349 subfusiformis, M. Sars.  
 1350 propinquus, G. O. Sars.  
 1351 Jeffreysii, Monts.  
 1352 Olivi, Scacc.

**Class V.—PELECYPODA.**  
**= BIVALVIA.**

**Order I.—Tetrabranchia.****Anomia, Linné.**

- 1353 ehippium, Lin.  
 1354 *a.* squamula, Lin.  
 1355 *b.* aculeata, Gmel.  
 1356 *c.* electrica, Lin.  
 1357 patelliformis, Lin.  
 1358 striata, Lovén.

**Ostrea, Linné.**

- 1359 edulis, Lin.  
 1360 *a.* rutupina, Jeff.  
 1361 *b.* cristata, Born.  
 1362 *c.* parasitica, Turt.  
 1363 *d.* adriatica, Lamk.  
 1364 *e.* hippopus, Lamk.  
 1365 *f.* cynusii, Payr.  
 1366 *g.* mimetica, Gregorio.  
 1367 angulata, Lamk.  
 1368 cochlear, Phil.  
 1369 *a.* suborbicularis, Monts.  
 1370 stentina, Payr. = plicata, Chemn.  
 1371 borealis, Lamk.

**Spondylus, Linné.**

- 1372 gæderopus, Lin.  
 1373 Gussonæ, O. G. Cos.

**Lima, Bruguière.**

- 1374 hians, Gmel.  
 1375 *a.* tenera, Turt.  
 1376 inflata, Chemn.  
 1377 ventricosa, Sow.  
 1378 squamosa, Lamk.  
 1379 excavata, Chemn.  
 1380 Loscombii, Sow.  
 1381 subovata, Jeff.  
 1382 elliptica, Jeff.  
 1383 subauriculata, Montg.

**Limea, Bronn.**

1384 *crassa*, Forbes. = *Sarsii*, Lovén.

**Amussium, Klein.**

1385 *fenestratum*, Forbes. = *inæquisculptum*,  
Tiberi.

1386 *Hoskynsi*, Forbes.

**Pecten, Lamarck.**

1387 *maximus*, Lin.

*a. pictus*, Norman.

*b. albus*, Norman.

1388 *Jacobæus*, Lin.

1389 *Clintonius*, Say.

1390 *a. tenuicostatus*, Migh. & Adams.

1391 *islandicus*, Müll.

1392 *niveus*, Macgil.

1393 *varius*, Lin.

1394 *a. purpureus*, Jeff.

1395 *sulcatus*, Müll. = *aratus*, Gmel.

1396 *tigrinus*, Müll.

1397 *a. obsoletus*, Penn.

1398 *b. costatus*, Jeff.

1399 *incomparabilis*, Risso. = *Testæ*, Biv.

1400 *striatus*, Müll.

1401 *pes-felis*, Lin.

1402 *Swifti*, Gerst. *P.*

1403 *pusio*, Lin.

1404 *a. multistriatus*, Born (junior).

1405 *glaber*, Lin.

1406 *a. sulcatus*, Born.

1407 *b. dalmaticus*, Brus.

1408 *flexuosus*, Poli. = *polymorphus*, Brown.

1409 *a. flagellatus*, Lamk.

1410 *corallinoides*, D'Orb. *M.*

1411 *pes-lutræ*, Lin.

1412 *a. Dumasii*, Payr.

1413 *b. septemradiatus*, Müll.

1414 *c. inflexus*, Pöli.

1415 *d. albus*, Jeff.

1416 *Bruei*, Payr.

1417 *opercularis*, Lin.

1418 *a. Audouinii*, Payr.

1419 *b. sanguineus*, Poli.

1420 *c. lineatus*, Da Cos.

1421 *Philippii*, Recluz. = *commutatus*, Monts.

1422 *irradians*, Lamk.

1423 *hyalinus*, Poli.

1424 *a. solidulus*, Monts.

1425 *b. costatus*, Monts.

1426 *c. succineus*, Monts.

**Pecten, Lamarck.—continued.**

1427 *similis*, Laskey.

1428 *vitreus*, Chemn.

1429 *a. abyssorum*, M. Sars.

1430 *grœnlandicus*, Sow.

1431 *fragilis*, Jeff.

**Avicula, Lamarck.**

1432 *tarentina*, Lamk.

**Pinna, Lister.**

1433 *rudis*, Lin.

1434 *pernula*, Chemn.

1435 *nobilis*, Lin.

**Mytilus, Linné.**

1436 *edulis*, Lin.

1437 *a. unguatus*, Lin.

1438 *b. galloprovincialis*, Lamk.

1439 *c. incurvatus*, Penn.

1440 *d. pellucidus*, Penn.

1441 *e. albus*, Norman.

*pictus*, Born. = *africanus*, Chemn.

1443 *lineatus*, Gmel. = *crispus*, Cantr.

1444 *minimus*, Poli.

1445 *Monterosatoi*, Daut. = *cylindricus*, Req.

1446 *solidus*, H. Martin.

**Modiola, Lamarck.**

1447 *modiolus*, Lin.

1448 *a. ovata*, Jeff.

1449 *b. umbilicata*, Jeff.

1450 *c. gigas*, Norman.

1451 *barbata*, Lin.

1452 *plicatula*, Lamk.

1453 *adriatica*, Lamk.

1454 *a. ovalis*, Sow.

1455 *Martorelli*, Hidalgo.

1456 *agglutinans*, Cantr.

1457 *phaseolina*, Phil.

**Modiolaria, Beck.**

1458 *marmorata*, Forbes.

1459 *discors*, Lin.

*a. angustior*, Jeff.

*b. semilævis*, Jeff.

1462 *lævigata*, Gray.

1463 *lævis*, Beck.

1464 *nigra*, Gray.

1465 *costulata*, Risso.

1466 *corrugata*, Steenst.

1467 *sulcata*, Risso. = *Petagnæ*, Scacc.

1468 *gibberula*, Caillard. = *subclavata*,

Libassi.

**Dacrydium, Möller.**

- 1469 vitreum, Möll.  
 1470 *a. hyalinum*, Monts.

**Crenella, Brown.**

- 1471 rhombea, Berkeley.  
 1472 decussata, Montg.  
 1473 glandula, Totten.  
 1474 faba, Fabr.  
 1475 arenaria, H. Martin.  
 1476 pellucida, Jeff. = *Limopsis pellucida*,  
 Jeff.

**Idas, Jeffreys.**

- 1477 argenteus, Jeff.

**Lithodomus, Cuvier.**

- 1478 lithophagus, Lin.  
 1479 caudiger, Lamk.

**Limopsis, Sassy.**

- 1480 aurita, Brocc. = *obliqua*, Adams.  
 1481 minuta, Phil. = *borealis*, Woodw.  
 1482 tenella, Jeff.

**Pectunculus, Lamarck.**

- 1483 glycimeris, Lin.  
 1484 *a. bimaculatus*, Poli.  
 1485 pilosus, Lin.  
 1486 violascens, Lamk.

**Arca, Linné.**

- 1487 pectunculoides, Scacc.  
 1488 glacialis, Gray.  
 1489 obliqua, Phil. = *Koreni*, Daniels.  
 1490 Frielei, Jeff.  
 1491 lactea, Lin.  
 1492 *a. Gaimardi*, Payr.  
 1493 nodulosa, Müll. = *scabra*, Poli.  
 1494 pulchella, Reeve. = *imbricata*, Poli.  
 1495 tetragona, Poli.  
 1496 noæ, Lin.  
 1497 Polii, Mayer. = *antiquata*, Poli.  
 1498 barbata, Lin.  
 1499 pexata, Say.  
 1500 transversa, Say.

**Nucula, Lamarck.**

- 1501 nucleus, Lin.  
 1502 radiata, Hanley.  
 1503 sulcata, Brown.  
 1504 tumidula, Malm.  
 1505 ægeensis, Forbes.  
 1506 nitida, Sow.  
 1507 proxima, Say.

**Nucula, Lamarck.—continued.**

- 1508 tenuis, Montg.  
 1509 *a. expansa*, Torell.  
 1510 delphinodonta, Migh.  
**Leda, Schumacher.**  
 1511 minuta, Müll.  
 1512 *a. brevirostris*, Jeff.  
 1513 *b. inflata*.  
 1514 pernula, Müll.  
 1515 *a. buccata*, Möll.  
 1516 pella, Lin.  
 1517 fragilis, Chemn. = *commutata*, Phil.

**Malletia, Desmoulins.**

- 1518 obtusa, M. Sars.

**Yoldia, Mörch.**

- 1519 thraciæformis, Storer.  
 1520 limatula, Say.  
 1521 myalis, Couth.  
 1522 sapotilla, Gould. = *hyperborea*, Lovén.

**Portlandia, Mörch.**

- 1523 arctica, Gray.  
 1524 lenticula, Fabr. = *abyssicola*, Torell.  
 1525 lucida, Lovén.  
 1526 intermedia, M. Sars.  
 1527 tenuis, Phil. = *pygmæa*, F. & H.  
 1528 frigida, Torell.  
 1529 messanensis, Sequ. = *acuminata*, Jeff.

**Cardita, Bruguière.**

- 1530 antiquata, Lin.  
 1531 aculeata, Poli.  
 1532 calyculata, Lin.  
 1533 trapezia, Lin.  
 1534 corbis, Phil.  
 1535 borealis, Conrad.

**Astarte, J. Sowerby.**

- 1536 sulcata, Da Cos.  
 1537 *a. scotica*, Mat. & Rac.  
 1538 *b. fusca*, Poli.  
 1539 *c. paucistriata*, Jeff.  
 1540 *d. multicostata*, Jeff.  
 1541 *e. minor*, Jeff.  
 1542 elliptica, Brown.  
 1543 undata, Gould.  
 1544 crebricostata, Forbes.  
 1545 castanea, Say.  
 1546 Warhami, Hancock.  
 1547 fabula, Reeve.  
 1548 acutecostata, Friele.



**Astarte, J. Sowerby.—continued.**

- 1549      borealis, Chemn.  
 1550      *a. semisulcata*, Leach.  
 1551      compressa, Montg.  
 1552      *a. globosa*, Möll.  
 1553      *b. striata*, Leach.  
 1554      *c. Banksii*, Gould.  
 1555      *d. nana*, Jeff.  
 1556      triangularis, Montg.  
           *a. alba*, Norman.  
 1557      nana, Jeff.

**Gonilia, Stoliczka.**

- 1558      bipartita, Phil.

**Woodia, Deshayes.**

- 1559      digitaria, Lin.

**Kelliella, M. Sars.**

- 1560      miliaris, Phil.

**Turtonia, Forbes & Hanley.**

- 1561      minuta, Fabr.

**Kellia, Turton.**

- 1562      orbicularis, Montg.  
 1563      *a. lactea*, Brown.

**Bornia, Philippi.**

- 1564      corbuloides, Phil.

**Lasæa, Leach.**

- 1565      rubra, Montg.  
           *a. pallida*, Jeff.  
 1566      pumila, S. Wood. = *Zoe pumila*, Monts.

**Montacuta, Turton.**

- 1567      substriata, Montg.  
 1568      *a. lævis*, Jeff.  
 1569      bidentata, Montg.  
 1570      tumidula, Jeff.  
 1571      Dawsoni, Jeff.  
 1572      Maltzani, Verkr.  
 1573      elevata, Stimp.

**Decipula, Jeff.**

- 1574      ovata, Jeff.  
 1575      ferruginosa, Montg.

**Lepton, Turton.**

- 1576      squamosum, Montg.  
 1577      nitidum, Clark.  
 1578      *a. convexum*, Ald.  
 1579      Clarkiæ, Clark.  
 1580      sulcatulum, Jeff.  
 1581      prismaticum, Monts.

**Scacchia, Philippi.**

- 1582      elliptica, Scacc.

**Galeomma, Turton.**

- 1583      Turtoni, Sow.

**Cardium, Linné.**

- 1584      echinatum, Lin.  
 1585      *a. mucronatum*, Poli.  
 1586      tuberculatum, Lin.  
 1587      aculeatum, Lin.  
 1588      Deshayesii, Payr.  
 1589      erinaceum, Lin.  
 1590      paucicostatum, Sow.  
 1591      hians, Brocc.  
 1592      papillosum, Poli.  
 1593      edule, Lin.  
 1594      *a. rusticum*, Chemn.  
 1595      *b. Lamarckii*, Reeve.  
 1596      *c. (Caspian Sea.)*  
 1597      *d. crenulatum*, Lamk.  
 1598      exiguum, Gmel.  
 1599      *a. siculum*, Sow.  
 1600      minimum, Phil.  
 1601      fasciatum, Montg.  
 1602      transversale, Desh. *M.*  
 1603      nodosum, Turt.  
 1604      pinnulatum, Conrad.  
 1605      elegantulum, Beck.  
 1606      ciliatum, Fabr. = *islandicum*, Chemn.

**Adacna, Eichwald.**

- 1607      colorata, Eichw.  
 1608      edentula, Pallas.  
 1609      læviuscula, Eichw.  
 1610      vitrea, Eichw.

**Monodacna, Eichwald.**

- 1611      caspia, Eichw.

**Didacna, Eichwald.**

- 1612      crassa, Eichw.  
 1613      trigonoides, Pallas.

**Serripes, Beck.**

- 1614      grœnlandicus, Chemn.

**Lævicardium, Sowerby.**

- 1615      norvegicum, Speng.  
 1616      *a. gibbum*, Jeff.  
 1617      *b. pallidum*, Jeff.  
 1618      oblongum, Chemn.  
 1619      Mortoni, Conrad.

**Chama, Linné.**

- 1620      gryphoides, Lin.  
 1621      *a. gryphina*, Lamk.

**Cyprina, Lamarck.**

- 1622      islandica, Lin.

**Isocardia, Lamarck.**

1623 cor. Lin.

**Coralliophaga, De Blainville.**

1624 lithophagella, Lamk.

1625 a. Guerini, Payr.

**Tapes, Mühlfeldt.**

1626 decussatus, Lin.

1627 pullastra, Montg.

1627\* a. perforans, Montg.

1628 Petetii, Desh. P.

1629 virgineus, Lin.

1630 a. sarniensis, Turt.

1631 b. elongatus, Jeff.

1632 geographicus, Gmelin.

1633 aureus, Gmel.

1634 a. quadratus, Jeff.

1635 b. ovatus, Jeff.

1636 c. laetus, Poli.

1637 d. floridus, Lamk.

1638 e. bicolor, Lamk.

**Lyocyma, Dall.**

1639 fluctuosa, Gould.

**Cytherea, Bolten.**

1640 chione, Lin.

**Callista, Poli.**

1641 convexa, Say.

**Circe, Schumacher.**

1642 minima, Montg.

**Dosinia, Scopoli.**

1643 exoleta, Lin.

1644 a. plicato-striata, Norman.

1645 lincta, Pult.

1646 a. compta, Lovén.

1647 b. lupinus, Poli.

**Venus, Linné.**

1648 verrucosa, Lin.

1649 casina, Lin.

1650 a. cygnus, Lamk.

1651 b. Rusterucci, Payr.

1652 c. multilamella, Lamk.

1653 effossa, Biv.

1654 gallina, Lin.

1655 a. striatula, F. &amp; H.

1656 b. laminosa, Montg.

1657 c. gibba, Jeff.

1658 ovata, Pennant.

1659 a. trigona, Jeff.

1660 rudis, Poli.

1661 a. mediterranea, Tiberi.

**Venus, Linné.—continued.**

1662 mercinaria, Lin.

1663 a. notata, Say.

1664 fasciata, Da Cos.

1665 a. radiata, Jeff.

1666 b. raricosta, Jeff.

**Lucinopsis, Forbes & Hanley.**

1667 undata, Penn.

**Gemma, Deshayes.**

1668 gemma, Totten.

**Venerupis, Lamarck.**

1669 irus, Lin.

1670 Lajonkairei, Payr.

**Petricola, Lamarck.**

1671 lithophaga, Retz.

1672 pholadiformis, Lamk.

**Ungulina, Daudin.**

1673 oblonga, Lamk.

**Axinus, J. Sowerby.**

1674 flexuosus, Montg.

1675 a. polygonius, Jeff.

1676 b. Sarsii, Phil.

1677 obesus, Verrill.

1678 Gouldii, Phil.

1679 granulosus, Jeff.

1680 croulinensis, Jeff.

1681 incrassatus, Jeff.

1682 eumyrius, M. Sars.

1683 ferruginosus, Forbes.

1684 intermedius, Monts.

1685 cycladius, S. Wood.

**Axinopsis, G. O. Sars.**

1686 orbiculata, G. O. Sars.

**Diplodonta, Brown.**

1687 rotundata, Montg.

1688 apicalis, Phil.

**Donax, Linné.**

1689 politus, Poli.

1690 vittatus, Da Cos.

1691 a. turgidus, Jeff.

1692 trunculus, Lin.

1693 a. adriaticus, Monts.

1694 semistriatus, Poli.

1695 venustus, Poli.

1696 a. clodiensis, Monts.

1697 b. Cattanianus, Brus.



**Psammobia, Lamarck.**

- 1698      *vespertina*, Chemn.  
 1699      *a. florida*, Lin.  
 1700      *b. lactea*, Jeff.  
 1701      *ferröensis*, Chemn.  
 1702      *costulata*, Turt.  
 1703      *tellinella*, Lamk.  
 1704      *a. lactea*, Norman.

**Solecurtus, Blainville.**

- 1705      *antiquatus*, Pult.  
 1706      *scapula*, Turton. = *candidus* (Ren ?)  
             Jeff.  
 1707      *multistriatus*, Scacc.  
 1708      *strigilatus*, Lin.

**Tagelus, Gray.**

- 1709      *gibbus*, Speng. = *caribæus*, Lamk.

**Siliqua, Muhlfeldt.**

- 1710      *costata*, Say.

**Ceratisolen, Forbes.**

- 1711      *legumen*, Lin.

**Solen, Linné.**

- 1712      *vagina*, Lin.  
 1713      *siliqua*, Lin.  
 1714      *a. arcuata*, Jeff.  
 1715      *ensis*, Lin.  
 1716      *pellucidus*, Penn.

**Donacilla, Lamarck.**

- 1717      *cornea*, Poli.

**Ceronia, Gray.**

- 1718      *arctata*, Conrad.  
 1719      *deaurata*, Turt.

**Ervilia, Turton.**

- 1720      *castanea*, Montg.

**Mactra, Linné.**

- 1721      *glauca*, Born.  
 1722      *stultorum*, Lin.  
 1723      *a. cinerea*, Montg.  
 1724      *b. corallina*, Lin.  
 1725      *c. lactea*, Gmel.  
 1726      *solidissima*, Chemn.  
 1727      *ovalis*, Gould.  
 1728      *subtruncata*, Da Cos.  
 1729      *a. striata*, Brown.  
 1730      *lateralis*, Say.  
 1731      *solida*, Lin.  
 1732      *a. truncata*, Montg.  
 1733      *b. conjunctiva*, Jeff.  
 1734      *elliptica*, Brown.

**Lutraria, Lamarck.**

- 1735      *elliptica*, Lamk.  
 1736      *a. alterutra*, Jeff.  
 1737      *oblonga*, Chemn.

**Eastonia, Gray.**

- 1738      *rugosa*, Chemn.

**Mya, Linné.**

- 1739      *arenaria*, Lin.  
 1740      *a. lata*, J. Sow.  
 1741      *truncata*, Lin.  
 1742      *a. uddevalensis*, Forbes.

**Sphenia, Turton.**

- 1743      *Binghami*, Turt.

**Corbula, Bruguière.**

- 1744      *gibba*, Olivi.  
 1745      *a. rosea*, Brown.

**Corbulomya, Nyst.**

- 1746      *mediterranea*, O. G. Cos.  
 1747      *ovata*, Forbes.

**Panopea, Ménard de la Groye.**

- 1748      *norvegica*, Speng.  
 1749      *glycimeris*, Born.

**Cyrtodaria, Daudin.**

- 1750      *siliqua*, Chemn.

**Saxicavella, P. Fischer.**

- 1751      *plicata*, Montg.  
 1752      *carinata*, Brocc. *M.*

**Saxicava, Fleurian de Bellevue.**

- 1753      *rugosa*, Lin.  
 1754      *a. pholadis*, Lin.  
 1755      *b. arctica*, Lin.  
 1756      *c. minuta*, Lin.

**Gastrochæna, Spengler.**

- 1757      *dubia*, Penn.

**Pholas, Lister.**

- 1758      *dactylus*, Lin.

**Barnea, Leach.**

- 1759      *candida*, Lin.  
 1760      *costata*, Lin.  
 1761      *parva*, Penn.  
 1762      *truncata*, Say.

**Zirphæa, Leach.**

- 1763      *crispata*, Lin.

**Martesia, Leach.**

- 1764      *striata*, Lin.

**Pholadidea, Goodall.**

- 1765      *papyracea*, Turt.  
 1766      *a. aborta*, Jeff.



**Xylophaga, Turton.**

1767 dorsalis, Turt.

**Teredo, Sellius.**

1768 navalis, Lin.

1769 *a. occlusa*, Jeff.

1770 norvegica, Speng.

1771 *a. divaricata*, Desh.

1772 megotara, Hanley.

1773 *a. excisa*, Jeff.1774 *δ. subericola*, Jeff.1775 *c. mionota*, Jeff.

1776 nana, Turt.

1777 pedicillata, Quatr.

1778 malleolus, Turt.

1779 fusticulus, Jeff.

1780 excavata, Lukis.

1781 cucullata, Norman.

1782 bipinnata, Turt.

1783 fimbriata, Jeff. = palmulata, F. &amp; H.

1784 pennatifera, Blain.

**Order II.—Dibranchia.****Lucina, Bruguière.**

1785 borealis, Lin.

1786 *a. depressa*, Jeff.1787 *δ. gibba*, Jeff.

1788 spinifera, Montg.

1789 *a. minor*, Jeff.

1790 reticulata, Poli. = pecten, Phil.

**Loripes, Poli.**

1791 lacteus, Lin.

1792 *a. lactoides*, Desm.1793 *δ. Desmarestii*, Payr.

1794 fragilis, Phil.

1795 divaricatus, Lin. = commutata, Phil.

**Tellina, Linné.**

1796 crassa, Penn.

1797 balaustina, Lin.

1798 serrata, Reni.

1799 planata, Lin.

1800 cumana, G. O. Cos.

1801 *a. melo* (Sow) Monts.

1802 nitida, Poli.

1803 similis, Lin. *M.*

1804 tenuis, Da Cos.

1805 *a. commutata*, Monts. = hyalina,  
Desh.1806 *δ. exigua*, Poli.**Tellina, Linné.—continued.**

1807 fabula, Gmel.

1808 *a. ovata*, Jeff.

1809 squalida, Pult.

1810 distorta, Poli.

1811 pusilla, Phil.

1812 donacina, Lin.

1813 pulchella, Lamk.

1814 balthica, Lin.

1815 *a. minor*, Jeff.1816 *δ. nivea*, Jeff.

1817 calcaria, Chemn.

1818 *a. lata*, Gmel. = proxima, Say.1819 *δ. fusca*, Say.

1820 tenera, Say.

**Gastrana, Schumacher.**

1821 fragilis, Lin.

**Scrobicularia, Schumacher.**

1822 piperata, Gmel.

1823 Cottardi, Payr.

**Abra, Risso.**

1824 alba, S. Wood.

1825 *a. Renieri*, Brown.1826 *δ. longicallus*, Scacc.

1827 ovata, Phil.

1828 prismatica, Montg.

1829 nitida, Müll.

1830 tenuis, Montg.

**Cumingia, Sowerby.**

1831 tellinoides, Conrad.

**Caspidaria, Nardo.**

1832 rostrata, Speng.

1833 cuspidata, Olivi.

1834 arctica, M. Sars.

1835 subtorta, G. O. Sars.

1836 lamellosa, M. Sars.

1837 *a. Koreni*, Jeff.

1838 obesa, Lovén.

1839 costellata, Desh.

1840 *a. curta*, Jeff.

1841 striata, Jeff. = multicostata, V. &amp; S.

1842 abbreviata, Forbes.

1843 limatula, Dall. = contracta, Jeff.

**Solemya, Lamarck.**

1844 togata, Poli. = mediterranea, Lamk.

1845 velum, Conrad.

**Pandora, Solander.**

1846 inæquivalvis, Lin.

1847 obtusa, Leach.

1848 trilineata, Say.

**Verticordia, Wood.**

1849 tornata, Jeff.

**Haliris, Dall.**

1850 Fischeriana, Dall.

**Trigonulina, D'Orbigny.**

1851 ornata, D'Orb. = cælata, Verrill.

**Lyonsiella, M. Sars.**

1852 abyssicola, M. Sars.

**Lyonsia, Turton.**

1853 norvegica, Chemn.

1854 a. coruscans, Scacc.

1855 hyalina, Conrad.

1856 arenosa, Möll.

**Cochlodesma, Couthony.**

1857 prætenue, Pult.

1858 parlatoris, Calc.

1859 leana, Conrad.

**Thracia, Leach.**

1860 convexa, W. Wood.

1861 corbuloidea, Desh.

1862 Conradi, Couth.

1863 pubescens, Pult.

1864 papyracea, Poli. = phaseolina, Lamk.

1865 a. gracilis, Jeff.

1866 villosiuscula, Macg.

1867 a. distorta, Montg.

1868 truncata, Brown.

1869 myopsis, Möll.

**Poromya, Forbes.**

1870 granulata, Nyst.

**Clavagella, Lamarck.**

1871 melitensis, Broderip.

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**A D D E N D A .****Alexia, Leach.**1872 vulcani, Morel. *M.***Utriculus, Brown.**1873 tornatus, Watson. *M.***Pleurobranchia, Meckel.**

1874 tarda, Verrill.

**Bela, Leach.**

1875 Pingelii, Beck.

**Mitra, Lamarck.**

1876 tricolor, Gmelin.

1877 a. Savignii, Payr.

1878 littoralis, Forbes.

**Fusus, Lamarck.**

1879 rusticulus, Monts.

**Buccinum, Linné.**

1880 grønlandicum, Chemn.

b. tenebrosus, Hancock.

**Cerethiopsis, Forbes & Han.**

1881 Metaxæ, Del Chi.

a. angustissima, Forbes.

**Lacuna, Turton.**

1882 divaricata, Fabr.

g. arctica, Phil.

**Cithna, C. Adams.**

1883 inflata, Monts.

**Solarium, Lamarck.**1884 pseudoperspectivum Brocchi. = discus  
Phil.**Rissoa, Freminville.**

1885 lineolata, Michaud.

**Hydrobia, Hartmann.**

1886 elata, Monts.

**Zizyphinus, Leach.**

1887 strigatus, Phil.

**Kellia, Turton.**

1888 complanata, Phil.



# V. BRACHIOPODA.

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## Eudesia, King.

- 1889 cranium, Müller.  
1890 septigera, Lovén.

## Liothyris, Douvillé.

- 1891 vitrea, Born.  
1892 *a. minor*, Phil. = *affinis*, Calcara.

## Terebratulina, D'Orbigny.

- 1893 caput-serpentis, Lin.  
1894 *a. septentrionalis*, Couth.  
1895 *b. mediterranea*, Jeffreys.

## Gwynia, King.

- 1896 capsula, Jeffreys.

## Terebratella, D'Orbigny.

- 1897 spitsbergensis, Davidson.  
1898 frontalis, Midd. *P.*

## Megerlia, King.

- 1899 truncata, Lin.

## Platydia, Costa.

- 1900 anomoides, Scacchi.  
1901 Davidsoni, Deslong.

## Argiope, E. Deslongchamps.

- 1902 decollata, Chemn.

## Cistella, Gray.

- 1903 cistellula, S. Wood.  
1904 neapolitana, Scacchi.  
1905 cuneata, Risso.

## Thecideum, Defrance.

- 1906 mediterraneum, Risso.

## Atretia, Jeffreys.

- 1907 gnomon, Jeffreys.

## Rhynconella, Fischer.

- 1908 psittacea, Gmelin.

## Crania, Retzius.

- 1909 anomala, Müller. = *turbinata*, P.  
= *rostrata*, Hoernes.  
*a. alba*, Jeffreys.

## Discinisca, Dall.

- 1910 atlantica, King.









With the Compiler's Compliments.

# MUSEUM NORMANIANUM,

OR

## A Catalogue of the Invertebrata

OF

Europe, and the Arctic and North Atlantic Oceans,

WHICH ARE CONTAINED IN THE COLLECTION OF THE

REV. CANON A. M. NORMAN, M.A., D.C.L., F.L.S.

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### VI. MOLLUSCA TERRESTRIA ET FLUVIATILIA.

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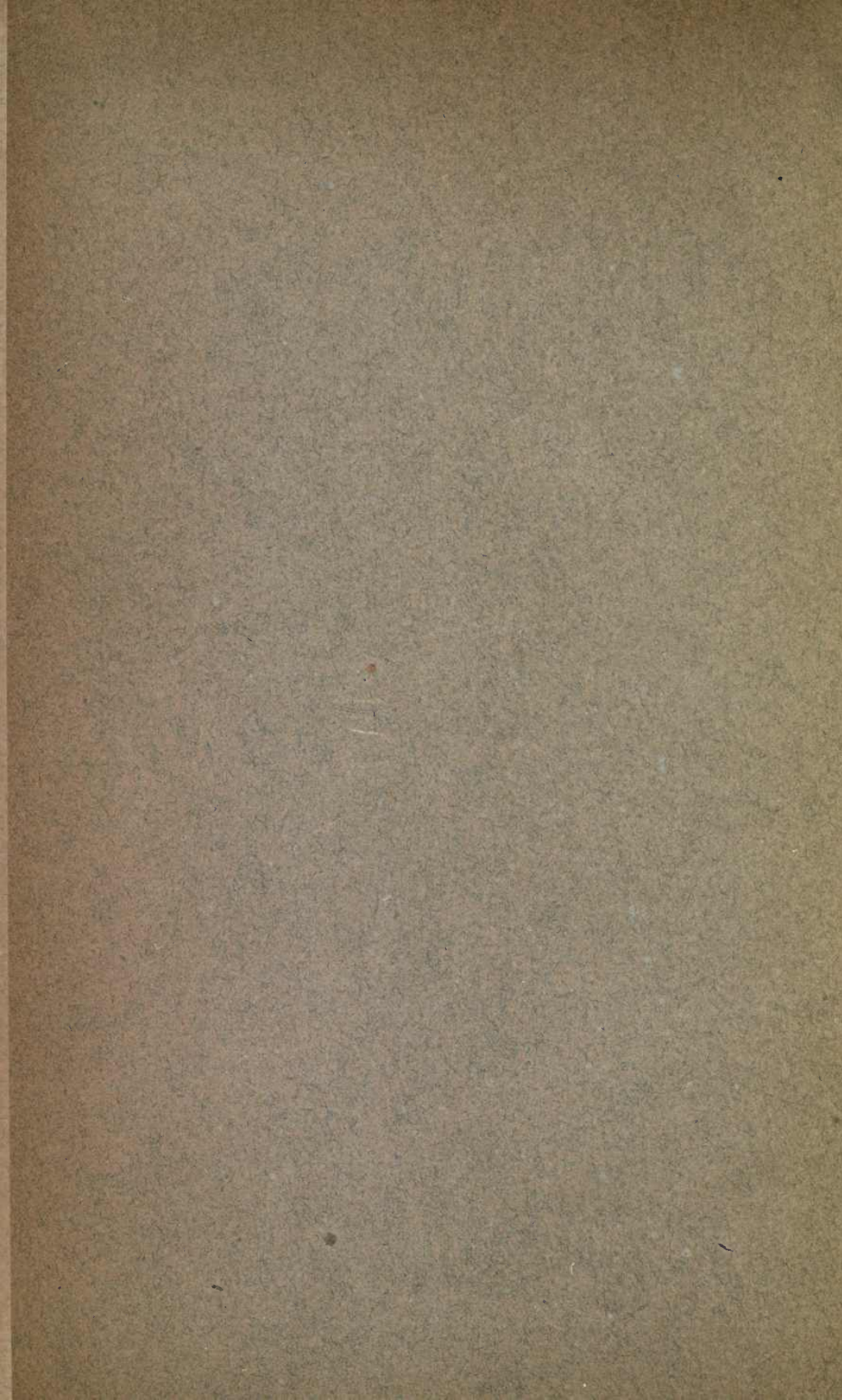
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1890.





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## PREFATORY NOTES.

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This Catalogue covers a wider area than that indicated on the cover as "Europe," being a list of such inland Mollusca of the *Palæarctic Region* as are in my possession.

The term "Palæarctic Region" is employed to indicate the region thus named by Mr. A. R. Wallace,<sup>1</sup> except that the Manchurian Province, which has a very different Molluscan Fauna, is excluded. Thus limited this region embraces Europe, the parts of Africa and Arabia which lie to the North of the Tropic of Cancer, Persia and Afghanistan, and all to the North of those countries, together with the entire Russian Empire and the Islands of the Madeiran Province.

The general arrangement adopted is that of Dr. Paul Fischer.<sup>2</sup> In the nomenclature of genera and species, Dr. Westerlund's useful monograph<sup>3</sup> is followed, as far as that work is published; and for the Mollusca of the Madeiran Province, which Province is not included in Westerlund, the work of Wollaston<sup>4</sup> has been used, and the list of Mollusca of this Province is therefore printed separately at the end of the general catalogue.

I have closely followed the nomenclature of the most recent work, that of Westerlund, but must not be supposed to acquiesce in it; I cannot forbear strongly protesting against the extraordinary multiplication of names, due to certain continental authors. In no other class of animals has hair-splitting been carried out to such a mischievous and absurd extent.<sup>5</sup> It would involve the study of a life, and intimate acquaintance with all the so-called species, to unravel the gordian knots which have been tied. Any partial attempt at correction in such a catalogue as this would be useless. A great gain would be bestowed upon science if able conchologists would take up special groups and, by careful study of the forms therein described, synonymize them and reduce the number of species within approximately correct limits.

<sup>1</sup> Wallace, *The Geographical Distribution of Animals*, 2 vols., 1876.

<sup>2</sup> Paul Fischer, *Manuel de Conchyliologie*, 1887.

<sup>3</sup> Westerlund, *Fauna der in der Palæarctischen Region lebenden Binnenconchylien*, 1886-1889.

<sup>4</sup> T. V. Wollaston, *Testacea Atlantica, or the Land and Freshwater Shells of the Azores, Madeiras, Salvages, Canaries, Cape Verdes and Saint Helena*, 1878.

<sup>5</sup> From the "Zoological Record" for 1888 may be quoted a few examples taken from the most thoroughly worked countries in Europe. One author describes 8 new Unionidæ from France, and 2 from Savoy; another, 6 new species of the same family from Spain; another, 22 new Mollusca from Hamburg; another, 14 from Italy; another, 4 new European Testacellæ; another, 8 new species of Helices of the group *H. Raspaill*, from Corsica and Sardinia; another, 13 new Helices from the Alps—and all this in the year 1888! It may well be asked who are the scientific men, the conchologists of past times who never saw these "species," or those who have "discovered" them?

This collection owes its origin to the purchase, a few years ago, of the well-known European collection of the late Dr. Tiberi, of Naples, which, while good generally, was especially rich in South European forms, and in types received from describers. It has been since increased, chiefly by purchases, and at the present time contains more than twice as many forms as were in the Tiberian collection. The additions consist for the most part of East European, North Asiatic, North African, and Madeiran species.

I shall be glad to further add to it by purchase or by exchange. My duplicates of inland Mollusca are chiefly of South European species. I can, however, offer Marine Mollusca or other invertebrata; but unfortunately feel it necessary to guard myself by saying that it must not be expected that I should send rare Marine Mollusca, the acquisition of which has involved heavy expense, in exchange, *specimen for specimen*, for sub-species of inland Mollusca which prove, when received, to be scarcely, if at all, distinguishable from others already known to me. At the same time I would have it understood that I desire to obtain all described forms, if named by authorities, since it is only by the examination of specimens that the value of a named form can be gauged correctly.

Subgeneric names have only been introduced into those genera which embrace the largest number of species.

It is my usual habit to commence specific names which have reference to persons with a capital letter, and all others with a small letter; but in the present list, as there are some names of the origin of which I am ignorant, and which may be derived either from places or persons, small initials have in all cases been employed.

Letters should be addressed—

BURNMOOR RECTORY,  
FENCE HOUSES,  
CO. DURHAM.

Catalogues already published :—

- I.—ECHINODERMATA.
- II.—PANTOPODA (= PYCNOGONOIDEA.)
- III.—CRUSTACEA.
- IV.—MOLLUSCA MARINA.
- V.—BRACHIOPODA.

April 5, 1890.



# MUSEUM NORMANIANUM.

## VI.—MOLLUSCA TERRESTRIA ET FLUVIATILIA.

### Class I.—GASTROPODA.

#### Order I.—Pulmonata.

#### *Sub-Order I.—Geophila.*

#### *Fam. I.—Testacellidæ.*

##### Testacella, Cuvier.

- 1     maugei, Fér.
- 2     haliotidea, Drap.
- 3         1 scutulum, Sow.
- 4     bisulcata, Risso.

##### Daubedardia, Hartmann.

- 5     brevipes, Drap.
- 6     rufa, Drap.
- 7     nivalis, Ben.
- 8     heydeni, Bttg.
- 9     lederi, Bttg.
- 10    langi, Pfr.
- 11    boettgeri, Clessin.
- 12    sacula, A. Bivona.
- 13    saulcyi, Bourg.

##### Glandina, Schumacher.

- 14    algira, Brug.
- 15    dilatata, Zieg.
- 16    intermedia, Mart.
- 17         1 mingrelica, Bttg.
- 18    sacula, Bourg.
- 19    poireti, C. Pfr.

#### *Fam. II.—Limacidæ.*

##### Parmacella, Cuvier.

- 20    olivieri, Cuv.
- 21    deshayesii, M. Tand.
- 22    valenciennesi, Webb & Ben.

##### Vitrina, Draparnaud.

- 23    diaphana, Drap.
- 24         1 heynemanni, Koch.
- 25    nivalis, Charp.
- 26    elongata, Drap.
- 27    brevis, Fér.
- 28    truncata, Bttg.
- 29    penchinati, Bourg.
- 30    pyrenaica, Fér.
- 31    major, Fér.
- 32    pellucida, Müll.
- 33    angelicæ, Beck.
- 34    bonellii, Targ. Tozz.
- 35    letourneuxi, Bourg.
- 36    servainiana, St. Sim.
- 37    annularis, Ven.
- 38    raddei, Bttg.
- 39    lederi, Bttg.
- 40    subcarinata, Bttg.

##### Limax, Linné.

- 41    cinereus, Lister.
- 42    brandtii, Mart.
- 43    variegatus, Drap.
- 44    intermittens, Bttg.
- 45    agrestis, Lin.
- 46    lævis, Müll.
- 47    marginata, Müll.
- 48    talyscanus, Bttg.
- 49    tigris, Bttg.
- 50    marginata, Drap.
- 51    gagates, Drap.
- 52    longicollis, Bttg.
- 53    melanocephalus, Kryn.

##### Conulus, Fitzinger.

- 54    fulvus, Müll.
- 55    mandralisci, Biv.



**Hyalinia, Agassiz.***(Vitrea, Fitz.)*

- 56 diaphana, Stud.  
 57 angystropha, Bttg.  
 58 contortula, Kryn.  
 59 apalista, Bourg.  
 60 subrimata, Reinh.  
 61 subeffusa, Bttg.  
 62 crystallina, Müll.  
 63 1 subterranea, Bourg.  
 64 petricola, Paul.  
 65 targioniana, Paul.  
 66 cavannæ, Paul.  
 67 1 cretica, Bttg.  
 68 botterii, Parr.  
 69 contracta, West.  
 70 kutschigi, Walderd.  
 71 hydatina, Rossm.  
 72 pseudohydatina, Bourg.

*(Zonitoides, Lehmann.)*

- 73 nitida, Müll.  
 74 excavata, Bean.

*(Polita, Held.)*

- 75 pura, Alder.  
 76 1 lenticularis, Held.  
 77 courquini, Bourg.  
 78 hammonis, Ström.  
     *a. viridula*, Menke.  
 79 petronella, Charp.  
 80 circumlineata, Küstr.  
 81 camelina, Bourg.  
 82 1 frondosula, Mouss.  
 83 testæ, Phil.  
 84 1 rossmässleri, West.  
 85 de natale, Ben.  
 86 villæ, Mort.  
 87 oppressa, Shuttl.  
 88 alicurensis, Ben.  
 89 albinella, Paul.  
 90 nevilliana, Paul.  
 91 libysonis, Paul.  
 92 balmei, Shuttl.  
 93 diaphanella, Kryn.  
 94 planella, Pfr.  
 95 isserica, Letour.  
 96 glabra, Stud.  
 97 1 striaria, West.  
 98 nitidissima, Mouss.  
 99 glaberrima, Ben.  
 100 suturalis, Bttg.

**Hyalinia, Agassiz.—continued.***(Polita, Held.)—continued.*

- 101 subsuturalis, Bttg.  
 102 oschtenica, Bttg.  
 103 alliaria, Miller.  
     *a. viridula*, Jeffer.  
 104 cellaria, Müll.  
 105 1 sieversi, Bttg.  
 106 2 sancta, Bourg.  
 107 3 sicula, West.  
 108 achlyophila, Bourg.  
 109 psatura, Bourg.  
 110 nitidula, Drap.  
     *a. helmei*, Gilbert.  
 111 margaritacea, A. Schm.  
 112 uzielli, Iss.  
 113 perspectiva, Blanc.  
 114 farinesiana, Bourg.  
 115 lederi, Bttg.  
 116 draparnaudi, Beck.  
 117 obscurata, Porro.  
 118 blauneri, Shuttl.  
 119 alhambær, Kob.  
 120 calpica, Kob.  
 121 septentrionalis, Bourg.  
 122 fulgida, Parr.  
 123 nitens, Mich.  
 124 hiulca, Jan.  
 125 æquata, Mouss.  
 126 jebusitica, Roth.  
 127 protensa, Fér.  
 128 1 lamellifera, Blanc.  
 129 subplana, Bourg.  
 130 taurica, Clessin.  
 131 issarica, Bourg.  
 132 decipiens, Bttg.  
*(Mesomphix, Rafinesque.)*  
 133 natolica, Albers.  
 134 duboisi, Charp.  
 135 elegans, Bttg.  
 136 mingrellica, Mouss.  
 137 difficilis, Bttg.  
 138 superflua, Rossm.  
     *a. cydoniensis*, Bl.  
 139 fuscosa, Zieg.  
 140 maurolici, Ben.  
 141 calcaræ, Aradas and Magg.  
 142 alleryi, Paul.  
 143 filicum, Kryn.  
 144 kutaisiana, Mouss.

**Hyalinia, Agassiz.**—continued.*(Mesomphix, Rafinesque.)*—continued.

- 145 1 transitis, Bttg.  
 146 deila, Bourg.  
 147 mülleri, Maltz.  
 148 malinowskii, Zieg.  
 149 cypria, Pfr.  
 150 olivetorum, Hermann.  
 151 icterica, Tiberi.  
 152 incerta, Drap.  
 153 1 vasconica, Bourg.  
 154 zonitomæa, Letour.  
 155 ægopsinoides, Maltz.

**Zonites, Montfort.**

- 156 verticillus, Fér.  
 157 smyrnensis, Roth.  
 158 albanicus, Zieg.  
 159 chloroticus, Pfr.  
 160 euboicus, Kob.  
 161 corax, Pfr.  
 162 pergranulatus, Godet.  
 163 algius, Lin.  
 164 croaticus, Partsch.  
 165 1 pudiosus, Zieg.  
 166 compressus, Zieg.  
 167 carniolicus, A. Schm.  
 168 acies, Partsch.  
 169 gemonensis, Fér.

*Fam. III.—Helicidæ.***Arion, Férussac.**

- 170 empiricorum, Fér.  
 171 melanocephalus, Faure.  
 172 subfuscus, Drap.  
 173 hortensis, Fér.  
 174 isseli, Bourg.

**Geomalacus, Allman.**

- 175 maculosus, Allm.

**Leucochroa, Beck.**

- 176 candidissima, Drap.  
     *a.* maxima.  
     *b.* minor.  
     *c.* minima.  
     *d.* carinata.  
 177 1 rimosa, Jan and Chr.  
 178 2 hierochuntina, Boiss.  
 179 bætica, Rossm.  
     *a.* gigantea.  
 180 1 alexandrina, Fagot.  
 181 titanodolena, Pechaud.  
 182 otthiana, Forbes.

**Leucochroa, Beck.**—continued.

- 183 1 jeannotiana, Rossm.  
 184 2 chionodiscus, Pfr.  
 185 argia, Bourg.  
 186 fimbriata, Bourg.  
 187 prophetarum, Bourg.  
 188 cariosula, Mich.  
 189 mayrani, Gass.  
 190 1 subcariosula, Bourg.  
 191 2 debeauxii, Kob.  
 192 octinella, Bourg.  
 193 cariosa, Olivi.  
 194 1 amphicyrta, Bourg.  
 195 2 nazarensis, Mouss.  
 196 3 crassocarina, Mouss.  
 197 boissieri, Charp.  
 198 filia, Mouss.  
 199 sarda, Maltz.

**Helix, Linné.***(Punctum, Morse.)*

- 200 micropleuros, Pag.  
 201 poupillieri, Bourg.  
 202 haffeni, F. Schm.  
 203 pygmæa, Drap.  
 204 debeauxiana, Bourg.  
 205 simoniana, Bourg.  
 206 massoti, Bourg.

*(Patula, Held.)*

- 207 rotundata, Müll.  
 208 rudrata, Stud.  
 209 omalisma, Bourg.  
 210 balmei, Pot. and Mich.  
 211 1 erdeli, Roth.  
 212 sudensis, Pfr.  
 213 solaria, Menke.  
 214 friwaldskyana, Rossm.  
 215 rupestris, Stud.  
 216 chorismenostoma, Blanc.  
 217 hierosolymitana, Bourg.

*(Vallotia, Risso.)*

- 218 costata, Müll.  
 219 tenuilabris, Braun.  
 220 pulchella, Müll.

*(Lepinota, West.)*

- 221 ciliata, Ven.

*(Acanthinula, Beck.)*

- 222 aculeata, Müll.  
 223 lamellata, Jeffr.  
 224 harpa, Say.

**Helix, Linné.—continued.***(Gonostoma, Held.)*

- 225 corcyrensis, Partsch.  
 226 1 canalifera, Ant.  
 227 barbata, Fér.  
 228 lusitanica, Pfr.  
 229 tarnieri, Morel.  
 230 boscae, Hidalgo.  
 231 annai, Palad.  
 232 constricta, Boub.  
 233 lenticularis, Morel  
 234 lenticula, Fér.  
 235 maroccana, Morel.  
 236 calpeana, Morel.  
 237 lens, Fér.  
 238 1 lentiformis, Zieg.  
 239 turriplana, Morel.  
 240 rangi, Desh.  
 241 barbula, Charp.  
 242 gougeti, Terv.  
 243 buvignieri, Mich.  
 244 obvolvata, Müll.  
 245 antigyra, Zieg.  
 246 holosericea, Stud.  
 247 diodontia, Mhlf.  
 248 triaria, Friw.  
 249 trinodis, Kimak.  
 250 triadis, Kimak.  
 251 personata, Lamk.  
 252 nautiliformis, Porro.  
*(Elona, Adams.)*  
 253 quimperiana, Fér.  
*(Chilotrema, Leach.)*  
 254 lapicida, Lin.  
     *a. alba.*  
*(Nummulina, Kob.)*  
 255 nummus, Ehrbrg.  
 256 prometheus, Bourg.  
*(Fruticicola, Held.)*  
 257 bidens, Chemn.  
 258 1 dibothrion, Friw.  
 259 unidentata, Drap.  
 260 edentula, Drap.  
 261 leucozona, Zieg.  
     *a. rutilans, Zieg.*  
 262 bielzi, A. Schm.  
 263 hispida, Lin.  
 264 1 concinna, Jeffr.  
 265 2 septentrionalis, Clessin.  
 266 3 depilata, C. Pfr.

**Helix, Linné.—continued.***(Fruticicola, Held.)—continued.*

- 267 rufescens, Penn.  
     *a. albida, Jeff.*  
 268 striolata, C. Pfr.  
 269 montana, Stud.  
 270 1 danubialis, Clessin.  
 271 cælata, Stud.  
 272 clandestina, Hartm.  
 273 umbrosa, Partsch.  
 274 erjavecii, Brus.  
 275 plebeia, Drap.  
 276 filicina, F. J. Schm.  
 277 1 nudata, West.  
 278 telonensis, Mettre.  
 279 rufispira, Mart.  
 280 martorelli, Bourg.  
 281 parlatoris, Bivona.  
 282 reina, Ben.  
 283 villosa, Stud.  
 284 villosula, Zieg.  
 285 sericea, Drap.  
 286 rubiginosa, Zieg.  
 287 granulata, Alder.  
 288 chnoodia, Bourg.  
 289 revelata, Fér.  
 290 montivaga, West.  
 291 transsylvanica, Bielz.  
 292 corsica, Shuttl.  
 293 perlevis, Shuttl.  
 294 lanuginosa, Boissy.  
 295 roseotincta, Forbes.  
 296 berbruggeriana, Letour.  
 297 fusca, Mont.  
 298 globula, Kryn.  
 299 pisiformis, Pfr.  
 300 berytensis, Fér.  
 301 samsunensis, Zeleb.  
 302 talyschana, Mart.  
 303 inchoata, Mor.  
 304 schuberti, Roth.  
 305 circassia, Charp.  
 306 rissoana, Pfr.  
 307 1 dirphica, Blanc.  
 308 euboeica, Kob.  
 309 messenica, Blanc.  
 310 frequens, Mouss.  
 311 carascaloides, Bourg.  
 312 fruticola, Kryn.  
 313 consona, Zieg.



**Helix, Linné.**—continued.*(Fruticicola, Held.)*—continued.

- 314 pirajnea, Ben.  
 315 hiberna, Ben.  
     *a. vulcanica*, Plat.  
 316 lurida, Zieg.  
 317 cantiana, Mont.  
 318 anconæ, Iss.  
     *a. rubella*, Risso.  
 319 cemenalea, Risso.  
 320 carthusiana, Müll.  
     *a. rufilabris*, Jeff.  
     *b. claustralis*, Parr.  
 321 1 archimedeia, Ben.  
 322 glabella, Drap.  
 323 1 sarriensis, Mart. y Pena.  
 324 2 lamalouensis, Reynes.  
     *a. arvensis*, Pini.  
 325 freytagi, Maltzan.  
 326 muscicola, Bourg.  
 327 pseudosericea, Ben.  
 328 olivieri, Fér.  
     *a. ocellata*, Parr.  
 329 1 parumcincta, Parr.  
 330 2 bicincta, Ben.  
 331 3 ocellus, Mouss.  
 332 4 gregaria, Zieg.  
 333 rothi, Pfr.  
     *a. rufocincta*, Parr.  
 334 syriaca, Ehrenb.  
 335 obstructa, Fér.  
 336 flaveola, Kryn.  
 337 zonitomæa, Letour.  
 338 rusicadensis, Letour.  
 339 faidherbiana, Bourg.  
 340 strigella, Drap.  
 341 orsinii, Porro.  
 342 1 picena, Kob.  
 343 parreyssi, Pfr.  
 344 martensiana, Tiberi.  
 345 apennina, Porro.  
 346 incarnata, Müll.  
 347 vicina, Rossm.  
 348 limbata, Drap.  
 349 cinctella, Drap.  
*(Cressa, West.)*  
 350 pellita, Fér.  
     *a. major*.  
 351 1 kreglingerii, Zieg.  
 352 naxiana, Fér.

**Helix, Linné.**—continued.*(Cressa, West.)*—continued.

- 353 westerlundi, Blanc.  
 354 1 casia, Mart.  
 355 noverca, Friw.  
 356 lecta, Fér.  
 357 sublecta, Maltz.  
     *a. minor*.  
*(Campylæa, Beck.)*  
 358 appeliusi, Mouss.  
 359 narzarenis, Kryn.  
     *a. castanea*, Bttg.  
     *b. subunicolor*, Bttg.  
 360 1 cyclothyra, Bttg.  
 361 pratensis, Pfr.  
     *a. unicolor*, Bttg.  
     *b. major*, Bttg.  
     *c. unicingulata*, Bttg.  
 362 joannis, Mart.  
 363 pontica, Bttg.  
 364 ravergerii, Fér.  
 365 transcaucasica, Bager.  
 366 phæolema, Bttg.  
 367 eichwaldi, Pfr.  
 368 armeniaca, Pfr.  
 369 raspailii, Payr.  
 370 brocardiana, Dut.  
 371 gennarii, Paul.  
     *a. depressa*.  
 372 carotii, Paul.  
     *a. major*, Maltz.  
     *b. unifasciata*, Maltz.  
     *c. viverina*, Maltz.  
     *d. lamarmoræ*, Maltz.  
     *e. spectrum*, Maltz.  
 373 melonii, Maltz.  
 374 pouzolzi, Mich.  
 375 1 montenegrina, Zieg.  
 376 banatica, Partsch.  
 377 stenomphala, Menke.  
 378 kollari, Zeleb.  
 379 phalerata, Zieg.  
 380 1 chamæleon, Parr.  
 381 glacialis, Thomas.  
 382 alpina, Faure-Big.  
 383 1 fontenilli, Mich.  
 384 schmidti, Zieg.  
 385 hermesiana, Pini.  
 386 1 frigidissima, Ad.  
 387 intermedia, Fér.

**Helix, Linné.**—continued.*(Campylæa, Beck.)*—continued.

- 388 ziegléri, Schm.  
 389 æmula, Rossm.  
 390 pyrenaica, Drap.  
 391 ichthyomma, Held.  
 392 1 achates, Zieg.  
 393 cisalpina, Stab.  
 394 1 de-bettæ, Ad.  
 395 2 adamii, Kob.  
 396 3 rhætica, Mouss.  
     *a. alba.*  
 397 zonata, Stud.  
     *a. foetens, Stud.*  
 398 subzonata, Mouss.  
 399 1 distans, Blanc.  
 400 planospira, Lam.  
     *a. major.*  
 401 1 stabilei, Paul.  
 402 2 illyrica, Stab.  
 403 3 pubescens, Tiberi.  
 404 4 setulosa, Brig.  
 405 macrostoma, Mhlf.  
 406 1 cryptozona, Zieg.  
 407 2 confusa, Ben.  
 408 benedicta, Kob.  
 409 hirta, Menke.  
 410 lefeburiana, Fér.  
 411 setosa, Rossm.  
     *a. minor.*  
 412 brusinæ, Stoss.  
 413 1 velebitana, Klec.  
 414 crinita, Sandri.  
 415 hoffmanni, Partsch.  
 416 klecaki, Parr.  
 417 insoleta, Zieg.  
 418 narentina, Klec.  
 419 denudata, Rossm.  
 420 nicolai, Klec.  
 421 trizona, Zieg.  
 422 cyclolabris, Desh.  
 423 1 arcadica, Parr.  
 424 2 hymetti, Mouss.  
 425 3 sphæriostoma, Bourg.  
 426 4 heldreichi, Shuttl.  
 427 cærulans, Mhlf.  
 428 1 rugata, Kuc and Sand.  
 429 cornea, Drap.  
 430 desmoulinsi, Farines.  
 431 phocæa, Roth.

**Helix, Linné.**—continued.*(Campylæa, Beck.)*—continued.

- 432 cingulata, Stud.  
 433 1 inornata, Rossm.  
 434 2 anauniensis, De Betta.  
 435 3 athesina, Paul.  
     *a. pinii, Ad.*  
 436 4 baldensis, Villa.  
 437 carrarensis, Porro.  
 438 presli, F. Schm.  
 439 1 nicatis, Costa.  
 440 2 appeli, Kob.  
 441 columbrina, Jan.  
     *a. minor.*  
 442 gobanzi, Frfld.  
 443 tigrina, Chr. and Jan.  
 444 frigida, Jan.  
     *a. insubrica, Jan.*  
     *b. adamii, Pini.*  
 445 cingulella, Zieg.  
 446 faustina, Zieg.  
 447 1 associata, Zieg.  
 448 2 charpentieri, Scholz.  
 449 rossmæssleri, Pfr.  
*(Ariania, Leach.)*  
 450 æthiops, Bielz.  
 451 arbustorum, Lin.  
     *a. boissieria, M. Tand.*  
     *b. flavescens, M. Tand.*  
 452 1 picea, Zieg.  
 453 2 xatarti, Farines.  
 454 3 repellini, Charp.  
 455 4 alpicola, Fér.  
 456 5 rudis, Mhlf.  
 457 6 fusca, Fér.  
*(Eremina, Pfr.)*  
 458 desertorum, Forskål.  
     *a. inflata.*  
 459 1 hasselquisti, Ehb.  
     *a. ehrenbergi, Roth.*  
 460 2 hemprichi, Ehb.  
 461 desertella, Jick.  
*(Eulota, Hartmann.)*  
 462 fruticum, Müll.  
     *a. andersoni, Clessin.*  
     *b. fasciata.*  
     *c. carnea.*  
 463 schrenki, Middend.  
 464 phæozona, Mart.  
 465 euages, Bttg.

**Helix, Linné.—continued.***(Euparypha, Hartmann.)*

- 466 planata, Chemn.  
 467 1 arietina, Rossm.  
 468 dehnei, Rossm.  
 469 subdentata, Fér.  
 470 pisana, Müll.  
     *a. alba*, Shuttl.  
 471 1 anonyma, West.  
 472 2 dermoi, Serv.  
 473 3 algarbiensis, Maltz.  
     monst. turriculala.  
     monst. sinistrorsa.

*(Xerophila, Held.)*

- 474 virgata, Da Costa.  
 475 1 variabilis, Drap.  
     monst. sinistrorsa.  
 476 lineata, Olivi.  
 477 herbicola, Shuttl.  
 478 luteata, Parr.  
 479 dautezi, Kob.  
 480 lauta, Lowe.  
 481 pseudenhalia, Bourg.  
 482 euxina, Clessin.  
 483 astata, Bourg.  
 484 hydruntina, Blanc.  
 485 1 messapia, Blanc.  
 486 erythræa, West.  
 487 1 halophila, Deb.  
 488 2 affiniol, Deb.  
 489 sebkorum, Deb.  
 490 subrostrata, Fér.  
 491 cretica, Fér.  
 492 moneriana, Bourg.  
 493 simulata, Fér.  
 494 dohrni, Paul.  
 495 seetzeni, Koch.  
 496 1 fasciata, Mouss.  
 497 2 subinflata, Mouss.  
 498 turbinata, Jan.  
 499 candiota, Friw.  
 500 pellucens, Shuttl.  
 501 berlieri, Mor.  
 502 lacertarum, Bourg.  
 503 durieui, M. Tand.  
 504 parva, Parr.  
 505 acompisia, Bourg.  
 506 1 acompsiella, Anc.  
 507 krynichii, Andrz.  
 508 protea, Zieg.

**Helix, Linné.—continued.***(Xerophila, Held.)—continued.*

- 509 joppensis, Roth.  
 510 1 multinotata, Mouss.  
 511 nivea, Zieg.  
 512 siderensis, Maltz.  
 513 bargesiana, Bourg.  
 514 vestalis, Parr.  
 515 euphorca, Bourg.  
 516 mauritanica, Bourg.  
 517 caruanæ, Kob.  
 518 chalcidica, Mouss.  
 519 cauta, West.  
 520 didyma, West.  
 521 piratarum, Kob.  
 522 adolfi, Pfr.  
 523 arigoi, Bourg.  
 524 rhodochila, West.  
 525 calopsis, Bourg.  
 526 kabyliana, Deb.  
 527 terveri, Mich.  
 528 mæsta, Parr.  
 529 oranensis, Morel.  
 530 choreta, Bourg.  
 531 colomiesiana, Bourg.  
 532 sphærita, Hartm.  
 533 sitifiensis, Bourg.  
 534 cespitum, Drap.  
 535 eremophila, Boiss.  
 536 erkelii, Kob.  
 537 arenarum, Bourg.  
 538 neglecta, Drap.  
 539 suspecta, West.  
 540 rozeti,<sup>1</sup> Mich.  
 541 diensis, Maltz.  
 542 mesostena, West.  
 543 psiloritana, Maltz.  
 544 tuta, Paul.  
 545 caroli, Dohrn. and Heyn.  
 546 camerata, Mouss.  
 547 subprofuga, Stab.  
 548 meda, Porro.  
 549 profuga, A. Schm.  
     *a. major*.  
 550 1 smyrnensis, Bttg.  
 551 etrusca, Iss.  
 552 meridionalis, Parr.  
 553 hamilcaris, Kob.  
 554 cyzicensis, Gallard.  
 555 hellenicæ, Bourg.



**Helix, Linné.—continued.***(Xerophila, Held.)—continued.*

- 556 variegata, Friw.  
 557 phthiota, West.  
 558 striata, Müll.  
 559 1 costulata, Zieg.  
 560 apicina, Lam.  
 561 1 requieni, M. Tand.  
 562 bardcensis, Bourg.  
 563 ordunensis, Kob.  
 564 intersecta, Poir.  
 565 codia, Bourg.  
 566 semipicta, Hidalgo.  
 567 cistorum, Mor.  
 568 penchinati, Bourg.  
 569 valcourtiana, Bourg.  
 570 heripensis, Mab.  
 571 gigaxii, Charp.  
 572 trepidula, Serv.  
 573 rugosiuscula, Mich.  
 574 unifasciata, Poir.  
 a. thymorum, Alten.  
 575 lunulata, Kryn.  
 576 subvariegata, Maltz.  
 577 barcinonensis, Bourg.  
 578 madritensis, Ramb.  
 579 hillyeriana, Paul.  
 580 derogata, Rossm.  
 581 redoubiana, Bourg.  
 582 micromphalus, Letour.  
 583 submeridionalis, Bourg.  
 584 modica, Morel.  
 585 1 attafensis, Mor.  
 586 hipponensis, Morel.  
 587 cottyi, Morel.  
 588 langloisiana, Bourg.  
 589 oertzeni, Maltz.  
 590 hierapterana, Maltz.  
 591 sitiensis, Maltz.  
 592 colosseana, Fagot.  
 593 illibata, Parr.  
 594 conspurcata, Drap.  
 595 psara, Bourg.  
 596 malaspinae, Bourg.  
 597 locheana, Bourg.  
 598 sardiniensis, Porro.  
 599 quisquiliæ, Paul.  
 600 carascalensis, Férr.  
 601 velascoi, Hidalgo.  
 602 zelebori, Pfr.

**Helix, Linné.—continued.***(Xerophila, Held.)—continued.*

- 603 amanda, Rossm.  
 604 1 dormiens, Ben.  
 605 usticensis, Calcara.  
 606 ponsonbyi, Kob.  
 607 hamudæ, Kob.  
 608 barneana, Anc.  
 609 amphiconus, Maltz.  
 610 sphakiota, Maltz.  
 611 tineana, Ben.  
 612 præclara, Cafici.  
 613 rugosa, Chemn.  
 614 crenimargo, Kryn.  
 615 syrensis, Pfr.  
 616 ledereri, Pfr.  
 617 spratti, Pfr.  
 618 explanata, Müll.  
 619 sigensis, Kob.  
 620 1 jolyi, Pech.  
 621 depressula, Parr.  
 622 henoniana, Bourg.  
 623 doumeti, Bourg.  
 624 1 lacosteana, Mor.  
 625 boissy, Terv.  
 626 1 frater, D.  
 627 nyelii, Mittré.  
 628 homeyeri, Dohrn. and Hey.  
 629 prietoi, Hidalgo.  
 630 pollenzensis, Hidalgo.  
 631 setubalensis, Pfr.  
 632 barceloi, Hidalgo.  
 633 cardonæ, Hidalgo.  
 634 argonautula, Webb and Berth.  
 635 turcica, Chemn.  
 636 magadorensis, Bourg.  
 637 degenerans, Mouss.  
 638 mograbina, Mor.  
 639 tunetana, Pfr.  
 640 pamplonensis, A. Schm.  
 641 ericetorum, Müll.  
 a. leucozona, M. Tand.  
 b. oblitterata, Hartm.  
 642 obvia, Zieg.  
 643 1 arenosa, Zieg.  
 644 2 dejecta, Zieg.  
 645 spirula, Zieg.  
 646 vulgarissima, Schlæf.  
 647 interpres, West.  
 648 aberrans, Mouss.

## Helix, Linné.—continued.

*(Xerophila, Held.)*—continued.

- 649 derbentina, Kryn.  
 650 1 isomera, Friw.  
 651 2 armeniaca, Bayer.  
 652 filimargo, Zieg.  
 653 ammonis, A. Schm.  
     *a. candida*, Porro.  
 654 1 discrepans, Tiberi.  
 655 spadæ, Calcara.  
 656 instabilis, Zieg.  
     1 ratowskyana, Clessin.  
 657 bathyomphala, Charp.  
 658 bathyptera, Blanc.  
     *a. affinis*, Blanc.  
 660 nubigena, Charp.  
 661 destituta, Charp.  
 662 homoleuca, Parr.  
 663 liburnica, Stoss.  
 664 newka, Dohrn.  
 665 majoricensis, Dohrn. and Hey.  
 666 caroni, Desh.  
 667 elata, Faure-Biguet.  
 668 trochlea, Pfr.  
 669 sequentiana, Ben.  
 670 tuberculosa, Conrad.  
 671 philamnia, Bourg.  
 672 ptycodia, Bourg.  
 673 terrestris, Penn.  
 674 scitula, Jan. and Christ.  
 675 trochoides, Poir.  
 676 1 sulculata, Jan.  
 677 2 infulata, Paul.  
 678 3 conica, Drap.  
 679 verticillata, Parr.  
 680 pyramidata, Drap.  
 681 apiculus, Rossm.  
 682 tarentina, Pfr.  
 683 madana, Let. and Bourg.  
 684 numidica, M. Tand.  
 685 calcarata, Ben.  
 686 schrembrii, Scacchi.  
 687 vatonniana, Bourg.  
 688 contermina, Shuttl.  
 689 conoidea, Drap.  
     *a. cognata*, Zieg.  
     *b. major*.  
 690 pringi, Pfr.  
 691 acuta, Müll.  
 692 barbara, Lin.

B

## Helix, Linné.—continued.

*(Iberus, Montfort.)*

- 693 gualteriana, Lin.  
 694 1 laurentii, Bourg.  
 695 subscabriuscula, Bourg.  
 696 scabriuscula, Desh.  
     *a. major*.  
     *b. minor*.  
 697 1 scalariformis, Ben.  
 698 2 segestana, Phil.  
 699 3 selinuntina, Phil.  
 700 bülowi, Maltz.  
 701 paciniana, Phil.  
 702 sardonina, Mart.  
 703 1 dorgaliensis, Maltz.  
 704 grohmanni, Phil.  
 705 tiberiana, Ben.  
 706 muralis, Müll.  
     1 rugosa, Zieg.  
 708 2 costulata, Ben.  
 709 3 crispata, Ben.  
 710 4 organensis, Philbert.  
 711 globularis, Zieg.  
     *a. conspicua*, Ben.  
     *b. friwaldskyi*, Calcara.  
     *c. achatina*, Ben.  
     *d. undulata*, Ben.  
     *e. saracena*, Ben.  
 712 1 tarentina, Kob.  
 713 eugenia, Pfr.  
 714 1 huetiana, Ben.  
 715 platychela, Menke.  
     *a. minor*  
 716 1 rosaliæ, Ben.  
 717 2 iparia, Ben.  
 718 sicana, Fér.  
     *a. fasciata*.  
     *b. minor*.  
 719 sicanoides, Kob.  
 720 böttgeri, Kob.  
 721 melitensis, Fér.  
 722 ascheræ, Kob.  
 723 ridens, Mart.  
     *a. minor*, Maltz.  
     *b. splendens*, Maltz.  
     *c. major*.  
 724 provincialis, Ben.  
     *a. unicolor*, Ben.  
 725 carsoliana, Fér.  
 726 1 uzielliana, Paul.

**Helix, Linné.**—continued.*(Iberus, Montfort.)*—continued.

- 727 nebrodensis, Pirajno.  
 728 villica, Paul.  
 729 signata, Fér.  
 730 scherzeri, Zieg.  
 731 strigata, Fér.  
     *a.* posidoniensis, Tiberi.  
     *b.* corrugata, Zieg.  
 732 1 umbrica, Chem.  
     *a.* moltenii, Ad.  
 733 mariannæ, Kob.  
 734 1 apula, Blanc.  
 735 surrentina, A. Schm.  
 736 leachi, Fér.  
 737 rollei, Maltz.  
 738 serpentina, Fér.  
 739 1 trica, Paul.  
 740 2 isaræ, Paul.  
 741 3 isilensis, Villa.  
 742 4 jaspidea, Mab.  
 743 5 sicula, Ben.  
 744 hospitans, Bonelli.  
     *a.* depressa, Paul.  
     *b.* subangulata, Paul.  
     *c.* carinata, Paul.  
 745 1 alabastrina, Paul.  
 746 caræ, Cantraine.  
 747 1 adjaciensis, Paul.  
 748 cenestinensis, Crosse and Debeaux.  
 749 suburbana, Paul.  
 750 halmyris, Mab.  
 751 pudiosa, Paul.  
 752 niciensis, Fér.  
 753 tetrazona, Jan.  
 754 spiriplana, Oliv.  
 755 hierosolyma, Boissier.  
 756 1 masadæ, Tristram.  
 757 cæsareana, Parr.  
 758 guttata, Olivi.  
 759 dsculfensis, Dubois.  
 760 kurdistana, Parr.  
*(Macularia, Albers.)*  
 761 codringtoni, Gray.  
 762 1 pseudoparnassia, Mouss.  
 763 2 parnassia, Roth.  
 764 alonensis, Fér.  
 765 campesina, Ezquerria del Bajo.  
 766 marmorata, Fér.  
 767 1 rondensis, Kob.

**Helix, Linné.**—continued.*(Macularia, Albers.)*—continued.

- 768 carthaginensis, Rossm.  
 769 loxana, Rossm.  
 770 atlasica, Mouss.  
 771 beaumieri, Mouss.  
 772 ebusitana, Hid.  
 773 raymondi, M. Tand.  
 774 balearica, Zieg.  
 775 companyoi, Aleron.  
 776 minorica, Berth.  
 777 soluta, Mich.  
 778 1 alabastrites, Mich.  
 779 vermiculata, Müll.  
     *a.* minor.  
     *b.* albina.  
 780 1 usticensis, Kob.  
     *a.* crassilabris, Maltz.  
     *b.* zonata.  
     *c.* globosa.  
     *d.* pyramidata.  
 781 constantinæ, Forbes.  
 782 boghariensis, Deb.  
 783 fleurati, Bourg.  
 784 lactea, Müll.  
     *a.* unicolor.  
 785 murcica, Rossm.  
 786 axia, Bourg.  
 787 bleicheri, Palad.  
 788 lucasii, Desh.  
 789 alybensis, Kob.  
 790 myristigmæa, Bourg.  
 791 1 punctatissima, Jenisson.  
 792 2 bredeana, Deb.  
 793 apalolena, Bourg.  
 794 galena, Bourg.  
 795 eugastora, Bourg.  
 796 jourdaniana, Bourg.  
 797 hieroglyphicula, Mich.  
     *a.* oranica, Deb.  
 798 segnyana, Bourg.  
 799 julietti, Terver.  
 800 beguirana, Deb.  
 801 punica, Mor.  
 802 massylæa, Morelet.  
 803 1 zenatia, Kob.  
 804 zaffarina, Beck.  
 805 1 zelleri, Kob.  
 806 2 dupotetiana, Terver.  
 807 acatragstra, Pechaud.



**Helix, Linné.**—continued.*(Macularia, Albers.)*—continued.

- 808 brevieri, Pechaud.  
 809 arichensis, Deb.  
 810 abrolena, Bourg.  
     *a. albida.*  
 811 arabica, Terver.  
 812 xanthodon, Anton.  
 813 ema, Bourg.  
 814 doubleti, Pech.  
 815 odopachya, Bourg.  
 816 pseudoembia, Deb.  
 817 burini, Bourg.  
 818 dastuguei, Bourg.  
 819 tigrina, Bourg.  
 820 dicallistodon, Bourg.  
 821 graellsiana, Pfr.  
*(Tachea, Leach.)*  
 822 atrolabiata, Kryn.  
     *a. subnemoralis*, Btfg.  
     *b. maculofasciata*, Btfg.  
     *c. tricolor*, Btfg.  
 823 1 stauropolitana, A. Schm.  
 824 2 lencoranea, Mouss.  
 825 3 pallasii, Dubois.  
 826 4 decussata, Btfg.  
 827 vindobonensis, Fér.  
 828 nemoralis, Müll.  
 829 1 leucostoma, Stab.  
 829\* 2 roseolabiata, Taylor.  
     monstr. scalariformis.  
     monstr. sinistrorsa.  
 830 hortensis, Müll.  
 831 1 hybrida, Poiret.  
 832 sylvatica, Drap.  
     *a. montana*, Stud.  
     *b. rhenana*, Kob.  
 833 coquandi, Mor.  
     *a. nahoni*, Kob.  
 834 splendida, Drap.  
 835 1 cossoni, Letour.  
*(Pomatia, Beck.)*  
 836 aperta, Born.  
 837 tristis, Pfr.  
 838 aspersa, Müll.  
 839 1 exalbida, Menke.  
 840 2 conoidea, Picard.  
 841 3 tenuis, Jeff.  
     monst. scalariformis.  
     monst. sinistrorsa.

**Helix, Linné.**—continued.*(Pomatia, Beck.)*—continued.

- 842 mazzullii, Jan.  
 843 vermiculosa, Mor.  
 844 godetiana, Kob.  
 845 prasinata, Roth.  
 846 cavata, Mouss.  
 847 asemnis, Bourg.  
 848 figulina, Parr.  
 849 pomacella, Parr.  
 850 lutescens, Zieg.  
 851 philibensis, Friw.  
 852 nordmanni, Parr.  
 853 obtusata, Zieg.  
 854 cincta, Müll.  
 855 ambigua, Parr.  
 856 thiesseana, Kob.  
 857 nucula, Parr.  
 858 1 pronuba, West.  
 859 melanostoma, Drap.  
 860 buchii, Dub.  
 861 pomatia, Lin.  
     *a. compacta*, Hazay.  
     *b. pulskyana*, Hazay.  
     *c. hajnaldiana*, Hazay.  
     *d. solitaria*, Hazay.  
     *e. pannonica*, Hazay.  
     *f. sabulosa*, Hazay.  
     monst. ovata.  
     monst. scalariformis.  
     monst. sinistrorsa.  
 862 ligata, Müll.  
 863 1 prætutia, Tiberi.  
 864 2 gussoneana, Pfr.  
 865 3 albescens, Jan.  
 865\* 4 campana, Tiberi.  
 866 secernenda, Rossm.  
 867 schlæfli, Mouss.  
 868 1 præstans, Blanc.  
 869 lucorum, Lin.  
 870 1 castanea, Oliv.  
 871 2 euphratica, Mart.  
 872 straminea, Brig.  
 873 onixiomica, Bourg.  
 874 taurica, Kryn.  
 875 radiosa, Zieg.  

*Fam. IV.—Pupidæ.*  
**Buliminus, Ehrenberg.**  
*(Zebrinus, Held.)*  
 876 detritus, Müll.

**Buliminus, Ehrenberg.**—continued.*(Zebrinus, Held.)*—continued.*a. albidus*, Menke.*b. unicolor*, Jan.*c. radiatus*, Pfr.*d. tumidus*, Parr.

877 fasciolatus, Oliv.

*a. punctatus*.

878 1 kurdistanus, Parr.

879 hohenackeri, Kryn.

880 dardanus, Friw.

881 eburneus, Pfr.

882 cylindricus, Menke.

883 1 fusiformis, Menke.

884 2 fuscilabris, Kryn.

885 3 zebriolatus, Clessin.

886 4 retowskyanus, Clessin.

887 5 illibatus, Zieg.

888 varnensis, Friw.

*(Brepheulus, Beck.)*

889 orientalis, Friw.

890 friwaldskyi, Pfr.

891 1 reynevalianus, Raym.

892 attenuatus, Kryn.

893 1 theodosianus, Bourg.

894 2 costatus, Ret.

895 zebra, Oliv.

896 1 spoliatus, Parr.

897 2 beoticus, Bourg.

898 compactus, Friw.

899 olympicus, Parr.

900 tournefortianus, Fér.

*(Mastus, Beck.)*

901 episomus, Bourg.

902 cretensis, Pfr.

*a. elongatus*.

903 ehrenbergi, Pfr.

904 dirphicus, Blanc.

905 grandis, Bielz.

906 kindermanni, Parr.

907 rossmässleri, Pfr.

908 carneolus, Zieg.

909 transsylvanicus, Kim.

910 turgidus, Parr.

911 etuberculatus, Frfld.

912 gastrum, Ehrb.

913 uriae, Tristram.

914 pusio, Broderip.

915 pupa, Brug.

916 1 sardoa.

**Buliminus, Ehrenberg.**—continued.*(Mastus, Beck.)*—continued.

917 reversalis, Bielz.

*a. brevis*, West.*b. elongatus*, Bielz.*c. alpestris*, Bielz.

918 venerabilis, Parr.

*(Medea, Bttg.)*

919 raddei, Kob.

*(Retowskia, Bttg.)*

920 schläflii, Mouss.

*(Omphaloconus, West.)*

921 euryomphalus, Letour.

*(Napæus, Albers.)*

922 kabylianus, Letour.

923 milevianus, Raym.

924 cirtanus, Morel.

925 todillus, Morel.

926 1 janus, West.

927 letourneuxi, Bourg.

928 jeannoti, Terv.

929 michelii, Kob.

930 subulatus, Rossm.

931 reitteri, Mart.

932 rupestris, Kryn.

933 merduenianus, Kryn.

934 græcus, Beck.

*a. elongatus*, Kob.

935 olivaceus, Pfr.

*a. elongatus*.

936 cæsius, Bttg.

937 montanus, Bttg.

938 1 variegatus, M. Tand.

939 cous, Ar.

940 caucasicus, Pfr.

941 boettgeri, Clessin.

942 obscurus, Müll.

943 1 umbrosus, Mouss.

944 gibber, Kryn.

*(Chondrulus, Beck.)*

945 lederi, Bttg.

946 diffusus, Mouss.

947 consentaneus, Zieg.

948 tridens, Müll.

*a. elongatus*, West.*b. major*, Kryn.

949 1 eximius, Rossm.

950 2 bayerni, Parr.

*a. marcidus*, Bttg.

951 3 albolimbatus, Pfr.

**Buliminus, Ehrenberg.**—continued.*(Chondrulus, Beck.)*—continued.

- 952 4 haleciensis, Clessin.  
 953 rothi, Pfr.  
 954 quinquedentatus, Mühlf.  
 955 bergeri, Roth.  
 956 microtragus, Parr.  
 957 tricuspidatus, Kstr.  
 958 truquii, Bell.  
 959 septemdentatus, Roth.  
     *a. elongatus*, Roth.  
     *b. albus*.  
 960 lamellifer, Rossm.  
 961 1 phasianus, Dub.  
 962 2 angustatus, Ret.  
 963 ovularis, Oliv.  
 964 1 sulcidens, Mouss.  
 965 didymodus, Bttg.  
 966 clessini, Ret.  
 967 nucifragus, Parr.  
 968 stylus, Parr.  
 969 albulus, Mouss.  
 970 saulcyi, Bourg.  
 971 chondriformis, Mouss.  
 972 quadridens, Müll.  
 973 1 proluxus, Pini.  
 974 2 elongatus, Requ.  
 975 3 niso, Risso.  
 976 4 loewi, Phil.  
 977 thiesseanus, Mouss.  
     *a. major*.  
 978 scapus, Parr.  
 979 1 destitutus, Mouss.  
*(Amphiscopus, West.)*  
 980 sturmi, Kstr.  
 981 squalinus, Rossm.  
*(Petræus, Albers.)*  
 982 labrosus, Oliv.  
 983 1 jordani, Boiss.  
 984 2 diminutus, Mouss.  
 985 hedjazicus, Bourg.  
 986 syriacus, Pfr.  
 987 sidoniensis, Charp.  
 988 halepensis, Pfr.  
 989 candidus, Lamk.  
 990 forskali, Beck.  
 991 eremita, Benson.  
 992 1 germabensis, Bttg.  
 993 labiellus, Mart.  
     *a. albinus*.

**Buliminus, Ehrenberg.**—continued.*(Petræus, Albers.)*—continued.

- 994 ufjaloyanus, Ancey.  
 995 kuschakewitzi, Ancey.  
 996 trigonochilus, Ancey.  
 997 asiaticus, Mouss.  
 998 intumescens, Mart.  
 999 secalinus, Mouss.  
 1000 rufistrigatus, Benson.  
 1001 sogdianus, Mart.  
 1002 potaninianus, Ancey.  
 1003 przewalskii, Ancey.  
 1004 bonvallotianus, Ancey.  
 1005 candelabris, Pfr.  
*(Zootecus, West.)*  
 1006 insularis, Ehrbg.  
*(Cylindrus, Fitzinger.)*  
 1007 obtusatus, Drap.

**Pupa, Draparnaud.***(Lauria, Gray.)*

- 1008 cylindracea, Da Costa.  
     *a. albina*.  
 1009 1 villæ, Charp.  
 1010 2 umbilicus, Roth.  
 1011 semproni, Charp.  
     *a. dilucida*, Zieg.  
 1012 1 caspia, Pfr.  
 1013 anglica, Fér.  
 1014 pulchra, Ret.  
 1015 1 nitens, Bttg.  
 1016 superstructa, Mouss.  
 1017 1 zonata, Bttg.  
     *a. albina*.  
 1018 2 unibasalis, Bttg.

*(Orcula, Held.)*

- 1019 dolium, Drap.  
 1020 gularis, Rossm.  
     *a. spoliata*, Rossm.  
 1021 conica, Rossm.  
 1022 schmidtii, Kstr.  
 1023 doliolum, Brug.  
 1024 scyphus, Friw.  
 1025 mesopotamica, Mouss.  
 1026 raymondi, Bourg.  
 1027 1 trifilaris, Mouss.  
 1028 2 bifilaris, Mouss.

*(Coryna, West.)*

- 1029 truncatella, Zieg.  
 1030 biplicata, Mich.



## Pupa, Draparnaud.—continued.

*(Coryna, West.)*—continued.

- 1031 1 excessiva, Gredl.  
 1032 ferrari, Porro.  
*(Pagodina, Strobel.)*  
 1033 pagodula, Des Moul.  
     *a. gracilis*, Bttg.  
 1034 1 subdola, Gredl.  
 1035 2 lederi, Bttg.  
*(Sandahlia, West.)*  
 1036 cylindrica, Mich.  
*(Torquilla, Faure-Big.)*  
 1037 similis, Brug.  
 1038 pallida, Phil.  
     1 amicta, Parr.  
 1040 psarolena, Bourg.  
 1041 megachilus, Jan.  
     *a. gigantea*, M. Tand.  
 1042 goniostoma, Kstr.  
 1043 bigorriensis, Charp.  
 1044 1 moquiniana, Kstr.  
 1045 leptochilus, Fagot.  
 1046 avenacea, Brug.  
     1 duplicata, Kstr.  
 1048 2 transiens, West.  
 1049 cereana, Mühlf.  
 1050 bergomensis, Kstr.  
 1051 faranesi, Des Moul.  
 1052 jumillensis, Guirao.  
 1053 oblitterata, Charp.  
 1054 arigoi, Rossm.  
 1055 kobelti, Hidalgo.  
 1056 lusitanica, Rossm.  
 1057 tingitana, Kob.  
     *a. algesiræ*, Kob.  
 1058 calpica, West.  
 1059 mühlfeldi, Kstr.  
     1 ventilatoris, Parr.  
 1061 rupestris, Phil.  
 1062 scalaris, Parr.  
 1063 brondeli, Bourg.  
 1064 occulta, Parr.  
 1065 philippii, Cantr.  
 1066 rhodia, Roth.  
 1067 michaudi, Terv.  
 1068 kabyliana, Letour.  
 1069 frumentum, Drap.  
     1 elongata, Rossm.  
 1071 2 illyrica, Rossm.  
 1072 3 curta, Kstr.

## Pupa, Draparnaud.—continued.

*(Torquilla, Faure-Big.)*—continued.

- 1073 4 pachygastra, Zieg.  
 1074 5 appennina, Charp.  
 1075 brauni, Rossm.  
 1076 cristella, West.  
 1077 ringens, Caillard.  
     *a. fagotiana*, Loc.  
 1078 baillensi, Dup.  
 1079 partioti, M. Tand.  
 1080 secale, Drap.  
 1081 1 seligo, Roth.  
 1082 boileausiana, Charp.  
 1083 pyræniaria, Boub.  
     *a. saxicola*, M. Tand.  
 1084 bofilli, Fagot.  
 1085 vergnesiana, Charp.  
 1086 clausilioides, Boub.  
 1087 affinis, Rossm.  
 1088 polyodon, Drap.  
 1089 1 ringicula, Mich.  
 1090 montserratica, Fagot.  
 1091 variabilis, Drap.  
     *a. maxima*.  
 1092 mortilleti, Stab.  
 1093 anceyi, Fagot.  
 1094 micheli, Terv.  
 1095 granum, Drap.  
 1096 subulata, Bivona.  
*(Odontocyclas, Schlüter.)*  
 1097 rossmässleri, Schm.  
 1098 kokeili, Rossm.  
*(Pupilla, Leach.)*  
 1099 muscorum, Müll.  
     *a. edentula*.  
 1100 1 bigranata, Rossm.  
 1101 sterri, Voith.  
 1102 1 aridula, Held..  
 1103 triplicata, Stud.  
 1104 1 luxurians, Reinh.  
 1105 2 inops, Reinh.  
 1106 signata, Mouss.  
 1107 interrupta, Roth.  
*(Sphaeradium, Agassiz.)*  
 1108 edentula, Drap.  
 1109 gredleri, Cless.  
 1110 inornata, Mich.  
*(Isthmia, Gray.)*  
 1111 strobili, Gredl.  
 1112 claustralis, Gredl.

**Pupa, Draparnaud.**—continued.*(Isthmia, Gray.)*—continued.

- 1113 1 clavella, Reinh.  
 1114 2 opistodon, Reinh.  
 1115 costulata, Nilsson.  
 1116 striata, Gredl.  
 1117 minutissima, Hartm.  
*(Alæa, Jeffreys.)*  
 1118 genesii, Gredl.  
 1119 arctica, Wallenb.  
 1120 alpestris, Alder.  
 1121 shuttleworthiana, Charp.  
 1122 lilljeborgii, West.  
 1123 moulinsiana, Dup.  
 1124 pygmæa, Drap.  
 1125 1 athesina, Gredl.  
 1126 sieversi, Bttg.  
 1127 substriata, Jeff.  
 1128 antvertigo, Drap.  
*(Vertigo, Müller.)*  
 1129 pusilla, Müll.  
 1130 angustior, Jeff.

**Balea, Prideaux.**

- 1131 perversa, Lin.

**Clausilia, Draparnaud.***(Alopiæ, Adams.)*

- 1132 guicciardi, Roth.  
 1133 livida, Menke.  
     *a. lactea*, Bielz.  
 1134 lischkeana, Parr.  
     *a. gracilior*, Kim.  
     *b. livens*, Rossm.  
 1135 fussiana, Bielz.  
     *a. pruinosa*, Charp.  
     *b. conjungens*, Bielz.  
 1136 menschendörferi, Bielz.  
 1137 bielzi, Parr.  
 1138 1 madensis, C. Fuss.  
 1139 2 clathrata, Friw.  
 1140 glauca, Bielz.  
     *a. minor*, West.  
     *b. striolata*, Bielz.  
     *c. plicata*, Bielz.  
 1141 1 latens, Pfr.  
 1142 2 costata, Bielz.  
 1143 glorifica, Rossm.  
 1144 haueri, Bielz.  
 1145 canescens, Parr.  
 1146 1 glabriuscula, Rossm.

**Clausilia, Draparnaud.**—continued.*(Alopiæ, Adams.)*—continued.

- 1147 elegans, Bielz.  
     *a. cerasina*, Rossm.  
     *b. diabolena*, Kim.  
     *c. insignis*, Bielz.  
 1148 straminicollis, Parr.  
     *a. occidentalis*, Bielz.  
 1149 plumbea, Rossm.  
     *a. cornea*, A. Schm.  
     *b. pallida*, Bielz.  
 1150 regalis, Bielz.  
 1151 angustata, Bielz.  
 1152 bogatensis, Bielz.  
*(Triloba, Vest.)*  
 1153 sandri, Kstr.  
 1154 macedonica, Rossm.  
*(Clausiliastra, Mollend.)*  
 1155 transsylvanica, Bielz.  
 1156 parreyssi, Zieg.  
 1157 marginata, Zieg.  
 1158 fimbriata, Mhlf.  
     *a. pallida*, Rossm.  
 1159 laminata, Mont.  
     *a. albina*, Pfr.  
     *b. pellucida*, Bttg.  
 1160 1 alpestris, Bielz.  
 1161 2 dubiosa, Clessin.  
 1162 3 targionii, De Step.  
 1163 4 granatina, Zieg.  
 1164 incisa, Kstr.  
 1165 grossa, Zieg.  
 1166 1 inæqualis, Zieg.  
 1167 2 melanostoma, A. Schm.  
 1168 costata, Zieg.  
 1169 1 intermedia, A. Schm.  
 1170 curta, Rossm.  
 1171 1 fusiformis, Kstr.  
 1172 commutata, Rossm.  
     *a. annexa*, Parr.  
 1173 1 unguata, Zieg.  
 1174 2 silesiana, Bttg.  
 1175 3 fusca, De Betta.  
 1176 4 cingulata, F. J. Schm.  
 1177 5 granatina, F. J. Schm.  
 1178 meisneriana, Shuttl.  
     *a. minor*.  
 1179 küsteri, Rossm.  
     *a. minor*.  
 1180 1 sancta, Paul.

**Clausilia, Draparnaud.**—continued.*(Clausiliastra, Mollend.)*—continued.

- 1181 porroi, Pfr.  
 1182 comensis, Shuttl.  
 1183 1 regnolii, De Step.  
 1184 lucensis, Gentith.  
 1185 orthostoma, Menke.  
 1186 1 filiformis, Parr.  
*(Acrotoma, Bttg.)*  
 1187 semicincta, Bttg.  
*(Mentissa, Bttg.)*  
 1188 gracilicosta, Zieg.  
 1189 1 acridula, Zieg.  
 1190 detersa, Zieg.  
*(Euxina, Bttg.)*  
 1191 hetæra, Friw.  
 1192 circumdata, Friw.  
 1193 schwerzenbachi, Parr.  
 1194 strumosa, Friw.  
 1195 duboisi, Charp.  
 1196 1 minor, A. Schm.  
 1197 2 stomatica, West.  
 1198 pleuroptychia, Bttg.  
 1199 litotis, Parr.  
 1200 1 suanetica, Bttg.  
 1201 quadruplicata, Parr.  
 1202 dipolauchen, Bttg.  
 1203 pumiliformis, Bttg.  
 1204 lederi, Bttg.  
 1205 1 gradata, Bttg.  
 1206 aggesta, Bttg.  
 1207 strauchii, Bttg.  
 1208 hübnéri, Rossm.  
 1209 ossetica, A. Schm.  
 1210 1 derasa, Parr.  
 1211 somchetica, Pfr.  
 1212 tschetschenica, Pfr.  
 1213 corpulenta, Friw.  
 1214 mæsta, Férr.  
 1215 1 hierosolymitana, Bgt.  
*(Alinda, Adams.)*  
 1216 plicata, Drap.  
     *a.* implicata, Bielz.  
     *b.* pallida, Bielz.  
 1217 1 rustica, Zieg.  
 1218 2 macilenta, Rossm.  
 1219 3 transsylvanica, Mouss.  
 1220 biplicata, Mont.  
     *a.* abbreviata, Rossm.  
 1221 1 crassilabris, Parr.

**Clausilia, Draparnaud.**—continued.*(Alinda, Adams.)*—continued.

- 1222 bohémica, Clessin.  
*(Idyla, Vest.)*  
 1223 thessalonica, Friw.  
 1224 1 semidenticulata, Pfr.  
 1225 2 crassilabris, Bttg.  
 1226 spreta, Friw.  
 1227 varnensis, Pfr.  
 1228 pagana, Zieg.  
 1229 1 bulgarica, Friw.  
 1230 2 elongata, A. Schm.  
 1231 rugicollis, Zieg.  
     *a.* maxima.  
 1232 1 carissima, Zieg.  
     *a.* bella, Stentz.  
 1233 oleata, Zieg.  
 1234 1 serbiensis, Zeleb.  
*(Bitorquata, Bttg.)*  
 1235 torticollis, Oliv.  
*(Siciliaria, Vest.)*  
 1236 crassicostata, Ben.  
 1237 leucophryne, Parr.  
 1238 nobilis, Pfr.  
 1239 grohmanniana, Partsch.  
 1240 tiberiana, Ben.  
     *a.* crassilabris, Bttg.  
 1241 confinata, Ben.  
 1242 septemPLICata, Phil.  
 1243 calcaræ, Phil.  
 1244 1 adelinæ, Ben.  
*(Herilla, Ad.)*  
 1245 frauenfeldi, Zeleb.  
 1246 dacica, Friw.  
*(Delima, Hartm.)*  
 1247 rugilabris, Mouss.  
 1248 umbilicata, Bttg.  
 1249 cattaroensis, Zieg.  
 1250 kleciaki, West.  
 1251 janinensis, Mouss.  
 1252 gibbula, Zieg.  
 1253 vulcanica, Ben.  
 1254 lamellata, Zieg.  
 1255 kobeltiana, Kstr.  
 1256 sturmi, Kstr.  
 1257 stigmatica, Zieg.  
 1258 incerta, Ben.  
 1259 maritima, Klec.  
 1260 1 thiesseana, Bttg.  
 1261 miles, Kstr.



**Clausilia, Draparnaud.**—continued.*(Delima, Hartm.)*—continued.

- 1262 pæstana, Phil.  
 1263 piceata, Zieg.  
     *a. gracilior*, Charp.  
 1264 ornata, Zieg.  
 1265 1 callosa, Zieg.  
 1266 2 gracilis, Bttg.  
 1267 itala, Mart.  
 1268 1 punctata, Mich,  
 1269 2 veranyi, Bourg.  
 1270 3 brauni, Charp.  
 1271 4 rubiginea, A. Schm.  
 1272 5 sprefici, Pini.  
 1273 6 baldensis, Parr.  
 1274 leucensis, Villa.  
 1275 costulata, Jan.  
 1276 conspersa, Parr.  
 1277 balsamoi, Strob.  
 1278 1 ampolæ, Gredl.  
 1279 stentzi, Rossm.  
 1280 cincta, Brum.  
 1281 1 rossmæssleri, Pfr.  
 1282 2 funki, Kstr.  
 1283 3 letochana, Gredl.  
 1284 subcylindrica, Zieg.  
 1285 substricta, Parr.  
 1286 crenulata, Zieg.  
 1287 fulcrata, Zieg.  
 1288 tichobates, Parr.  
 1289 sirkii, Parr.  
 1290 pellucida, Pfr.  
 1291 lævissima, Zieg.  
 1292 1 superstructa, A. Schm.  
 1293 2 pachygastris, Partsch.  
     *a. bulla*, Parr.  
 1294 tristrami, Pfr.  
 1295 polygyra, Bttg.  
 1296 semilabiata, Kutsch.  
 1297 cusmichi, Kstr.  
 1298 tenella, Parr.  
 1299 robusta, Kstr.  
     *a. minor*.  
 1300 1 curzolena, Zieg.  
 1301 muralis, Kstr.  
 1302 vidovichii, Parr.  
 1303 semirugata, Zieg.  
     *a. minor*, West.  
 1304 1 nitida, Mhlfd.  
 1305 2 pygmæa, Zieg.

**Clausilia, Draparnaud.**—continued.*(Delima, Hartm.)*—continued.

- 1306 3 pristis, Klec.  
 1307 4 fuscilabris, Klec.  
 1308 5 frigida, Klec.  
 1309 blaii, Möllend.  
 1310 vibex, Rossm.  
     *a. minor*.  
     *b. tumida*.  
 1311 1 planata, Parr.  
 1312 albida, Parr.  
 1313 crassilabris, Kstr.  
 1314 1 fasciolata, Parr.  
 1315 2 pharensis, Klec.  
 1316 3 callida, Parr.  
 1317 planilabris, Rossm.  
 1318 bilabiata, Wagn.  
 1319 alchingeri, Kstr.  
 1320 1 magniventris, Kstr.  
 1321 callifera, Kstr.  
 1322 leucostoma, Kstr.  
 1323 conspurcata, Jan.  
 1324 1 subcrenata, A. Schm.  
 1325 sebenicensis, Vid.  
 1326 diaphana, Kstr.  
 1327 pustulata, Kstr.  
 1328 helenæ, Klec.  
 1329 decipiens, Rossm.  
 1330 1 dubia, Bttg.  
 1331 pachystoma, Kstr.  
     *a. minor*.  
 1332 1 grandis, A. Schm.  
 1333 albocincta, Pfr.  
 1334 latilabris, Wagn.  
 1335 1 signana, Kütsch.  
 1336 divergens, Klec.  
 1337 pachychila, Zieg.  
     *a. minor*, West.  
     *b. albina*.  
 1338 gospiciensis, Zeleb.  
 1339 archilabris, Kütsch.  
 1340 1 rosinæ, Klec.  
 1341 2 petrina, Parr.  
 1342 opaca, Kstr.  
 1343 blanda, Zieg.  
 1344 sororia, Parr.  
 1345 pfeifferi, Kstr.  
 1346 binodata, Rossm.  
 1347 1 consentanea, Zieg.  
 1348 satura, Zieg.

**Clausilia, Draparnaud.**—continued.*(Delima, Hartm.)*—continued.

- 1349 1 vexillaris, West.  
 1350 2 narentana, Bttg.  
 1351 gastrolepta, Zieg.  
 1352 1 eugenia, West.  
 1353 2 freyeri, Kstr.  
 1354 biasoletiana, Charp.  
*(Dilataria, Vest.)*  
 1355 succineata, Zieg.  
 1356 marchesetti, Stoss.  
 1357 diodon, Stud.  
 1358 thomasiana, Charp.  
 1359 alpina, Stab.  
*(Medora, Vest.)*  
 1360 kutchigi, Kstr.  
 1361 contracta, Rossm.  
 1362 dalmatina, Partsch.  
     *a. minor*, West.  
 1363 1 epidaurica, Kutsch.  
 1364 2 regina, Kutsch.  
 1365 aquila, Parr.  
 1366 leucopleura, Brus.  
 1367 almissana, Kstr.  
     *a. minor*, West.  
 1368 graciliformis, Kutsch.  
 1369 eris, A. Schm.  
 1370 macarana, Zieg.  
 1371 1 proxima, Hald.  
 1372 stenostoma, Rossm.  
 1373 carniolica, F. Schm.  
 1374 brusinæ, Kutsch.  
 1375 istriana, F. Schm.  
 1376 punctulata, Kstr.  
 1377 agnata, Partsch.  
 1378 1 albescens, Menke.  
 1379 2 intermedia.  
 1380 3 minor, Zeleb.  
 1381 lesinensis, Kutsch.  
 1382 proxima, Waldf.  
*(Agathylla, Vest.)*  
 1383 sulcosa, Wagn.  
 1384 1 diminuta, Parr.  
 1385 2 cataphracta, Parr.  
 1386 3 irregularis, Zieg.  
 1387 formosa, Zieg.  
 1388 strigillata, Mühlf.  
 1389 armata, Kutsch.  
 1390 lamellosa, Wagn.  
 1391 regularis, Parr.

**Clausilia, Draparnaud.**—continued.*(Agathylla, Vest.)*—continued.

- 1392 1 waldendorffi, Parr.  
 1393 goldi, Kutsch.  
 1394 exarata, Zieg.  
     *a. minor*, West.  
*(Albinaria, Vest.)*  
 1395 anatolica, Roth.  
 1396 byzantina, Parr.  
 1397 1 intermedia, A. Schm.  
 1398 2 solidula, Parr.  
 1399 glabella, Pfr.  
 1400 strigata, Pfr.  
 1401 1 acuticosta, Bttg.  
 1402 2 centralis, Bttg.  
 1403 3 occulsa, Bttg.  
 1404 4 occidentalis, Bttg.  
 1405 virginea, Pfr.  
 1406 subvirginea, Bttg.  
 1407 1 farcimen, Bttg.  
 1408 cretensis, Mühlf.  
 1409 1 sphakiota, Maltz.  
 1410 troglodytes, Parr.  
 1411 1 vexans, Bttg.  
 1412 2 interpres, Schm.  
 1413 sublamellosa, Bttg.  
 1414 1 oblitterata, Bttg.  
 1415 heteropteryx, Bttg.  
 1416 tenuicostata, Pfr.  
 1417 1 mitis, Bttg.  
 1418 2 strictecostata, Bttg.  
 1419 3 homalica, Bttg.  
 1420 grabusana, Bttg.  
 1421 1 humillima, Bttg.  
 1422 amalthea, West.  
 1423 1 similis, Bttg.  
 1424 bipalatalis, Mart.  
 1425 1 gracilior, Bttg.  
 1426 candida, Pfr.  
 1427 striata, Pfr.  
 1428 arthuriana, Blanc.  
 1429 hippolyli, Bttg.  
 1430 xanthostoma, Bttg.  
 1431 sericata, Pir.  
 1432 1 senex, Bttg.  
 1433 2 albofilosa, Blanc.  
 1434 profuga, Charp.  
 1435 thiesseæ, Bttg.  
 1436 lopedusæ, Calcara.  
 1437 bigibbosa, Charp.

## Clausilia, Draparnaud.—continued.

(Albinaria, Vest.)—continued.

1438	brevicollis, Pfr.
1439	1 superba, Bttg.
1440	2 chalcidensis, Bttg.
1441	itylensis, Bttg.
1442	anaphiensis, Bttg.
1443	cærulea, Fer.
1444	1 birugosa, Parr.
1445	2 tinorensis, Parr.
1446	3 naxia, Bttg.
1447	4 nia, Bttg.
1448	5 antiparia, Bttg.
1449	6 myconia, Bttg.
1450	amorgia, Bttg.
1451	altecostata, Zeleb.
1452	compressa, Pfr.
1453	moreletiana, Blanc.
	a. minor.
1454	corona, Letour.
1455	corrugata, Drap.
1456	1 homaloraphe, Bttg.
1457	2 draparnaldi, Beck.
1458	3 inflata, Oliv.
	a. gracilior.
1459	spratti, Pfr.
1460	venosa, Bttg.
	a. decollata, Bttg.
1461	drakakisi, Maltz.
1462	1 centralis, Bttg.
1463	2 tenerrima, Bttg.
1464	lerosiensis, Fér.
1465	1 latecostata, Bttg.
1466	clara, Bttg.
1467	1 paucicosta, Bttg.
1468	præclara, Pfr.
1469	vermiculata, Bttg.
1470	1 megalostoma, Bttg.
1471	teres, Oliv.
1472	1 hierapterana, Bttg.
1473	2 phalangea, Bttg.
	a. minor.
1474	3 subcostata, Bttg.
	a. minor, Bttg.
1475	extensa, P.
1476	1 orientalis, Bttg.
	a. maxima, Bttg.
1477	carpathia, Bttg.
	a. minor.
1478	1 armasinia, Bttg.

## Clausilia, Draparnaud.—continued.

(Albinaria, Vest.)—continued.

1479	2 famosa, Bttg.
1480	olivieri, Roth.
	a. major.
1481	turrita, Pfr.
1482	distans, Pfr.
1483	munda, Zieg.
1484	1 coa, Bttg.
1485	chia, Bttg.
1486	1 endolichia, Bttg.
1487	2 samia, Bttg.
1488	3 submarginata, Bttg.
1489	ungeri, Zeleb.
1490	cristatella, Kstr.
1491	maltzani, Bttg.
1492	scopulosa, Parr.
1493	glabricollis, Parr.
1494	ionica, Parr.
1495	conemonesi, Bttg.
1496	1 macrodera, Bttg.
1497	hians, Bttg.
1498	1 sublactea, Bttg.
1499	descolor, Pfr.
1500	1 inæquata, Blanc.
1501	2 flammulata, Pfr.
1502	grayana, Pfr.
1503	goldfussi, Bttg.
1504	messenica, Mart.
1505	1 brenskii, Bttg.
1506	grisea, Desh.
1507	kruperi, Zeleb.
1508	1 holostoma, Bttg.
1509	dissipata, Bttg.
1510	1 furcilla, West.
1511	maculosa, Desh.
1512	arcadica, Bttg.
1513	schuchi, Voith.
1514	1 oscari, Thiesse.
1515	torifera, Bttg.
1516	liebetruti, Charp.
1517	incommoda, Bttg.
1518	1 muraria, A. Schm.
1519	contaminata, Zieg.
1520	1 lactea, Zieg.
1521	2 odysseus, Bttg.
1522	3 obliqua, Menke.
1523	nævosa, Fér.
1524	castrensis, Parr.
1525	corcyrensis, Mouss.



## Clausilia, Draparnaud.—continued.

*(Albinaria, Vest.)*—continued.

- 1526 epirotica, Mouss.  
 1527 senilis, Zieg.  
 1528 cinerascens, Kstr.  
 1529 voithi, Rossm.  
 1530 menelaos, Mart.  
 1531 1 semicostulata, Bttg.  
 1532 agesilaos, Mart.  
 1533 1 agamemnon, Mouss.  
 1534 eumeces, Bttg.  
 1535 oertzeni, Bttg.  
 1536 freytagi, Bttg.

*a. minor.*

*(Pseudalinda, Bttg.)*

- 1537 fallax, Rossm.  
 1538 stabilis, Zieg.  
 1539 montana, Stenz.  
*a. viridana*, Rossm.

1540 1 jugularis, Bielz.

1541 denticulata, Oliv.

1542 1 nicaria, Bttg.

*(Phædusa, Ad.)*

1543 perlucens, Bttg.

*(Uncinaria, Vest.)*

1544 turgida, Zieg.  
*a. elongata*, Rossm.

1545 elata, Zieg.

1546 gulo, Rossm.

*(Strigillaria, Vest.)*

1547 cana, Held.

1548 1 transsylvanica, Bielz.

1549 2 iostoma, A. Schm.

1550 vetusta, Zieg.

1551 1 festiva, Kstr.

1552 2 striolata, Parr.

1553 splendens, Charp.

*(Cristataria, Vest.)*

1554 strangulata, Fér.

1555 vesicalis, Friw.

1556 colbeauxiana, Parr.

1557 boissieri, Charp.

1558 medlycotti, Tristram.

1559 porrecta, Friw.

1560 cylindrelliformis, Bourg.

*(Oligoptychia, Bttg.)*

1561 gustavi, Bttg.

1562 foveocollis, Parr.

1563 vinosa, West.

1564 bicristata, Rossm.

## Clausilia, Draparnaud.—continued.

*(Oligoptychia, Bttg.)*—continued.

1565 1 tetragonostoma, Pfr.

1566 2 canaliculata, Pfr.

*a. major.*

1567 kephissiae, Roth.

1568 1 pikermiana, Roth.

1569 2 attica, A. Schm.

1570 bourguignati, Charp.

1571 castalia, Roth.

*(Papillifera, Bttg.)*

1572 syracusana, Phil.

1573 oscitans, Fér.

1574 mamotica, Gulia.

1575 isabellina, Pfr.

1576 osculans, Mart.

1577 coarctata, Mouss.

1578 1 thiesseæ, Bttg.

1579 blanci, Mart.

1580 1 thebana, Blanc.

1581 venusta, A. Schm.

1582 thermopylarum, Pfr.

1583 josephinæ, Bttg.

1584 leucorhaphæ, Blanc.

1585 rubicunda, Kstr.

1586 saxicola, Parr.

1587 1 patula, Charp.

1588 2 vespertina, West.

1589 3 lunellaris, Pfr.

1590 negropontina, Pfr.

1591 1 costulata, Thiesse.

1592 confusa, Bttg.

1593 bæotica, Kstr.

1594 vallata, Mouss.

1595 leucostigma, Zieg.

1596 1 candilabris, Porro.

1597 2 opalina, Zieg.

1598 candidescens, Zieg.

1599 1 cinerea, Phil.

1600 solida, Drap.

1601 bidens, Lin.

1602 brevissima, Ben.

1603 virgata, Jan.

1604 1 affinis, Phil.

1605 2 lanceolata, Bourg.

1606 3 mamertina, Ben.

*(Gracillaria, Bielz.)*

1607 concilians, A. Schm.

1608 1 undulata, Strobel.

1609 2 ettingeri, Zeleb.

**Clausilia, Draparnaud.**—continued.*(Gracillaria, Bielz.)*—continued.

- 1610 corynodes, Held.  
 1611 styriaca, A. Schm.  
 1612 strobili, Porro.  
 1613 filograna, Zieg.  
*(Laminifera, Bttg.)*  
 1614 pauli, Mab.  
*(Fusulus, Vest.)*  
 1615 varians, Zieg.  
     *a. diaphana*, Zieg.  
 1616 interrupta, Zieg.  
     *a. albina*, Kstr.  
*(Erjaevicia, Brus.)*  
 1617 bergeri, Mayer.  
*(Kuzmicia, Brus.)*  
 1618 exoptata, A. Schm.  
 1619 villæ, Mühlf.  
 1620 whateliana, Charp.  
 1621 schmidtii, Pfr.  
     1 *rablensis*, Gall.  
 1623 parvula, Stud.  
 1624 delpretiana, Stef.  
 1625 1 *pecchioli*, Stef.  
 1626 dubia, Drap.  
     *a. major*.  
 1627 1 *speciosa*, A. Schm.  
 1628 2 *grimeri*, Pfr.  
 1629 3 *vindobonensis*, A. Schm.  
 1630 4 *transsylvanica*, A. Schm.  
 1631 5 *gracilis*, Pfr.  
 1632 6 *obsoleta*, A. Schm.  
 1633 7 *gallica*, Bgt.  
 1634 tettelbachiana, Rossm.  
 1635 grimmerii, Parr.  
 1636 bidentata, Ström.  
     1 *septentrionalis*, A. Schm.  
 1638 2 *amiatæ*, Mart.  
 1639 3 *meridionalis*, Fagot.  
 1640 rugosa, Drap.  
     1 *redoubi*, Drap.  
 1642 2 *pyrenaica*, Charp.  
 1643 3 *crenulata*, Risso.  
 1644 subuliformis, Kstr.  
 1645 1 *moniziana*, Lowe.  
 1646 cruciata, Stud.  
     *a. minima*, A. Schm.  
 1647 1 *gracilis*, A. Schm.  
     *a. densestriata*, West.  
 1648 pumila, Zieg.

**Clausilia, Draparnaud.**—continued.*(Kuzmicia, Brus.)*—continued.

- a. succosa*, A. Schm.  
 1649 sejuncta, West.  
 1650 fagotiana, Bourg.  
 1651 penchinati, Bourg.  
*(Pirostoma, Vest.)*  
 1652 ventricosa, Drap.  
 1653 1 *latestriata*, Brus.  
 1654 rolphi, Leach.  
 1655 tumida, Zieg.  
 1656 lineolata, Held.  
 1657 1 *tenuistriata*, Pini.  
 1658 2 *basileensis*, Fitz.  
     *a. modulata*, Zieg.  
 1659 asphaltina, Zieg.  
 1660 carinthiaca, A. Schm.  
 1661 mucida, Z.  
 1662 1 *eggeriana*, Frfld.  
 1663 2 *fontana*, F. J. Schm.  
 1664 badia, Zieg.  
 1665 plicatuta, Drap.  
     1 *superflua*, Meg.  
 1667 2 *cruda*, Zieg.  
 1668 3 *nana*, Zieg.  
 1669 *latestriata*, Bielz.  
 1670 *densestriata*, Zieg.  
*(Olympia, Vest.)*  
 1671 *olympica*, Friw.  
*(Micropontica, Bttg.)*  
 1672 *closta*, Bttg.  
 1673 *circassia*, Bttg.  
 1674 *retowskii*, Bttg.  
*(Serrulina, Mouss.)*  
 1675 *sieversii*, Pfr.  
 1676 *serrulata*, Midd.  
 1677 *semilamellata*, Mouss.

*Fam. V.—Stenogyridæ.***Stenogyra, Shuttleworth.**

- 1678 *decollata*, Lin.  
 1679 1 *truncata*, Zieg.

**Cionella, Jeffreys.***(Zua, Leach.)*

- 1680 *lubrica*, Müll.  
     *a. nitens*, Kok.  
 1681 1 *collina*, Drouet.  
 1682 2 *exigua*, Menke.  
 1683 3 *columna*, Clessin.  
 1684 *incerta*, Ben.

**Cionella, Jeffreys.**—continued.*(Azeca, Leach.)*

- 1685 tridens, Pult.  
 1686 1 nouletiana, Dup.  
 1687 2 alzenensis, St. Sim.  
 1688 mabiliana, Fagot.

*(Hypnophila, Bourg.)*

- 1689 cylindracea, Calcara.  
 1690 emiliana, Ben.  
 1691 pupæformis, Cantr.

*(Calaxis, Bourg.)*

- 1692 hierosolymarum, Roth.  
 1693 moussoniana, Bourg.

*(Ferussacia, Risso.)*

- 1694 folliculus, Gronov.  
 1695 vescoi, Bourg.  
     *a. lanceolata*, Bourg.

- 1696 gronoviana, Risso.

- 1697 amblya, Fér.

- 1698 forbesi, Bourg.

- 1699 procerula, Morel.

- 1700 eremiophila, Bourg.

- 1701 agræcia, Bourg.

- 1702 lamellifera, Morel.

- 1703 dactylophila, Iss.

- 1704 charopia, Iss.

- 1705 sciaphila, Bourg.

- 1706 ennychia, Bourg.

- 1707 terveri, Bourg.

- 1708 gracilentia, Morel.

*(Coelestele, Benson.)*

- 1709 raphidia, Bourg.

*(Hohenwarthia, Bourg.)*

- 1710 hohenwarthi, Rossm.

- 1711 bourguignatiana, Ben.

- 1712 thamnophila, Bourg.

- 1713 moitessieri, Bourg.

- 1714 actoniana, Ben.

- 1715 gemellariana, Ben.

- 1716 tiberiana, Ben.

- 1717 biondina, Ben.

- 1718 rizzeana, Ben.

- 1719 maltzani, Clessin.

- 1720 eucharista, Bourg.

- 1721 aradasiana, Ben.

- 1722 walteri, Bttg.

*(Cæcilianella, Bourg.)*

- 1723 acicula, Müll.

- 1724 1 liesvillei, Bourg.

- 1725 jani, De Betta.

**Cionella, Jeffreys.**—continued.*(Cæcilianella, Bourg.)*—continued.

- 1726 petitiana, Ben.

- 1727 1 cretica, Bourg.

- 1728 brondeli, Bourg.

- 1729 letourneuxi, Bourg.

- 1730 poupillieri, Bourg.

- 1731 tumulorum, Bourg.

- 1732 nanodea, Bourg.

*Fam. VI.—Succineidæ.***Succinea, Draparnaud.**

- 1733 putris, Lin.

- 1734 1 olivula, Baudon.

- 1735 2 limnoidea, Pic.

- 1736 3 clessiniana, Hazay.

- 1737 4 angusta, Hazay.

- 1738 5 extensa, Baudon.

- 1739 6 charpentieri, Dum. and Mort.

- 1740 7 subglobosa, Pascal.

- 1741 8 fontana, Hazay.

- 1742 9 acuta, Hazay.

- 1743 parvula, Pascal.

- 1744 baudoni, Drouët.

- 1745 1 acrambleia, Mabilie.

- 1746 hungarica, Hazay.

- 1747 megalonyxia, Bourg.

- 1748 elegans, Risso.

- 1749 1 piniana, Hazay.

- 1750 2 pleuralauca, Letour.

- 1751 3 levantina, Desh.

- 1752 4 longiscata, Morel.

- 1753 lenta, West.

- 1754 debilis, Morel.

- 1755 pfeifferi, Rossm.

- 1756 1 recta, Baudon.

- 1757 2 propinqua, Baudon.

- 1758 3 ochracea, De Betta.

- 1759 4 mediolanensis, Villa.

- 1760 5 baudoniana, Hazay.

- 1761 6 contortula, Baudon.

- 1762 oblonga, Drap.

- 1763 1 agonostoma, Küster.

- 1764 groenlandica, Beck.

- 1765 humilis, Drouët.

- 1766 arenaria, Bouch.

- 1767 valcourtiana, Bourg.

- 1768 fagotiana, Bourg.



Sub-Order II.—*Gehydrophila*.*Fam. Auriculidæ.***Carychium, Müller.**

- 1769 minimum, Müll.  
 1770 . tridentatum, Risso.  
 1771 striolatum, Bourg.  
 1772 lederi, Bttg.

**Zospeum, Bourguignat.**

- 1773 spelæum, Rossm.  
 1774 lautum, Frfld.  
 1775 1 pulchellum, Freyer.  
 1776 reticulatum, Hauffen.  
 1777 obesum, F. Schm.  
 1778 frauenfeldi, Freyer.  
 1779 alpestre, Freyer.  
 1779\* costatum, Freyer.

Sub-Order III.—*Hygrophila*.*Fam. I.—Limnæidæ.***Amphipeplea, Nilsson.**

- 1780 glutinosa, Müll.

**Limnæa, Lamarck.**

- 1781 stagnalis, Lin.  
 1782 1 variegata, Hazay.  
 1783 2 colpodia, Bourg.  
 1784 3 armeniaca, West.  
 1785 4 lacustris, Studer.  
 1786 5 fragilis, Lin.  
     monst. sinistrorsa.  
 1787 auricularia, Lin.  
 1788 1 hartmanni, Charp.  
 1789 ampla, Hartmann.  
 1790 mucronata, Held.  
 1791 1 rosea, Gallenst.  
 1792 martorelli, Bourg.  
 1793 lagotis, Schm.  
 1794 1 acutalis, Morel.  
 1795 2 tenera, Kustr.  
 1796 3 sandrii, Kustr.  
 1797 ovata, Drap.  
 1798 1 piniana, Hazay.  
 1799 2 fluminensis, Clessin.  
 1800 3 membranacea, Porro.  
 1801 4 intermedia, Fér.  
 1802 5 microcephala, Kustr.

**Limnæa, Lamarck.** —continued.

- 1803 6 glacialis, Boubée.  
 1804 7 balthica, Lin.  
 1805 burnetti, Alder.  
 1806 involuta, Harvey.  
 1807 peregra, Müll.  
 1808 1 elongatissima, Gredl.  
 1809 2 marginata, Mich.  
 1810 3 croatica, Zieg.  
 1811 4 rimata, Braun.  
 1812 5 decollata, Zieg.  
 1813 6 solidula, Hartm.  
 1814 7 nitida, Zieg.  
 1815 8 æthiopica, De Betta.  
 1816 9 gibilmannica, Da Costa.  
 1817 10 thermalis, Boubée.  
 1818 11 curta, Clessin.  
 1819 12 frisia, Friedler.  
 1820 13 nivalis, Pini.  
 1821 14 callosa, Zieg.  
 1822 15 tenera, Parr.  
 1823 16 oxyana, Bttg.  
 1824 17 lacustris, Leach.  
 1825 18 acuminata, Jeff.  
 1826 19 intermedia, Ferr.  
 1827 20 labiosa, Jeff.  
 1828 21 picta, Jeff.  
 1829 22 succineæformis, Jeff.  
     monst. sinistrorsa.  
 1830 palustris, Müll.  
 1831 1 fusca, C. Pfr.  
 1832 2 clessiniana, Hazay.  
 1833 3 corvus, Gmel.  
 1834 4 elongata, Jeff.  
 1835 5 tincta, Jeff.  
 1836 6 conica, Jeff.  
 1837 turricola, Held.  
 1838 taurica, Clessin.  
 1839 parvula, Hazay.  
 1840 glabra, Müll.  
 1841 1 elongata, Jeff.  
 1842 vahlii, Beck and Moll.  
 1843 holbölli, Beck and Moll.  
 1844 truncatula, Müll.  
 1845 1 schneideri, B. Esm.  
 1846 2 thiesseæ, Clessin.  
**Choanomphalus, Gerstfeld.**  
 1847 maachi, Gerst.  
 1848 schrenki, Dyb.

**Planorbis, Guettard.**

- 1849 corneus, Lin.  
       *a.* albus.  
       *b.* minor.  
 1850 elophilus, Bourg.  
 1851 1 banaticus, Lang.  
 1852 2 ammonoceras, West.  
 1853 metidjensis, Forbes.  
 1854 1 dufouri, Graëlls.  
 1855 umbilicatus, Müll.  
       *a.* major, Br.  
       *b.* submarginatus, Jan.  
       *c.* albida, Jeff.  
 1856 1 subangulatus, Phil.  
 1857 2 rhombea, Turton.  
       monst. turriculata.  
 1858 atticus, Bourg.  
 1859 carinatus, Müll.  
 1860 1 dubius, Hartm.  
 1861 vortex, Lin.  
 1862 1 discus, Parr.  
 1863 vorticulus, Troschel.  
 1864 charteus, Hebd.  
 1865 1 pauluccianus, Caroti.  
 1866 spirorbis, Lin.  
 1867 1 hazayanus, Clessin.  
 1868 leucostoma, Mell.  
       *a.* septemgyratus, Dup.  
 1869 contortus, Lin.  
       *a.* labiatus, West.  
 1870 dispar, West.  
 1871 albus, Müll.  
 1872 agraulus, Bourg.  
 1873 piscinarum, Bourg.  
 1874 polaris, West.  
 1875 borealis, Lovén.  
 1876 rosmæssleri, Auersw.  
 1877 glaber, Jeff.  
 1878 tetragyrus, West.  
 1879 limophilus, West.  
 1880 lemniscatus, Hartm.  
 1881 concinnus, West.  
 1882 deformis, Hartm.  
 1883 1 cavatus, West.  
 1884 crista, Lin.  
 1885 nautilus, Lin.  
 1886 complanatus, Lin.  
 1887 riparius, West.  
 1888 nitidus, Müll.  
 1889 1 clessini, West.

**Ancylus, Geoffroy.**

- 1890 gibbosus, Bourg.  
 1891 fluviatilis, Müll.  
 1892 1 simplex, Bourg.  
 1893 2 gibbosus, Bourg.  
 1894 3 albidus, Jeff.  
 1895 capuloides, Jan.  
 1896 orbicularis, Held.  
 1897 costulatus, Küst.  
 1898 1 costatus, Fér.  
 1899 2 strigatus, Parr.  
 1900 pileolus, Fér.  
 1901 lacustris, Lin.

*Fam. II.—Physidæ.***Physa, Draparnaud.**

- 1902 fontinalis, Lin.  
       *a.* albina, Jeff.  
 1903 acuta, Drap.  
       *a.* brevispirata, Paul.  
       *b.* castanea, M. Tand.  
 1904 1 fusca, Rossm.  
 1905 2 subopaca, Lamk.  
 1906 hypnorum, Lin.  
 1907 contorta, Mich.

**Order II.—Prosobranchiata.***Sub-Order I.—Pectinibranchiata.**TÆNIOGLOSSA.**Fam. I.—Acmidæ.***Acme, Hartmann.**

- 1908 polita, Hartm.  
 1909 cryptomena, Folin.  
 1910 foliniana, G. Nevill.  
 1911 gracilis, Clessin.  
 1912 lineata, Drap.  
 1913 moussoni, Bttg.  
 1914 spectabilis, Rossm.  
 1914\* stussineri, Bttg.

*Fam. II.—Cyclophoridæ.***Cyclotus, Guilding.**

- 1915 sieversi, Pfr.

**Pomatias, Studen.**

- 1916 lederi, Bttg.  
 1917 scalarinus, Villa.

**Pomatias, Studer.**—continued.

1918	villæ, Stoss.
1919	hirci, Stoss.
1920	elegans, Clessin.
1921	cinerascens, Rossm.
1922	striolatus, Porro.
1923	apricus, Mousson.
1924	canestrini, Adami.
1925	hispanicus, Bourg.
1926	nouleti, Dup.
1927	arriacus, St. Sim.
1928	berilloni, Fagot.
1929	letourneuxi, Bourg.
1930	obscurus, Drap.
1931	crassilabris, Dup.
1932	fagoti, Bourg.
1933	spelæus, Fagot.
1934	hidalgoi, Crosse.
1935	partioti, M. Tand.
1936	lapurdensis, Fagot.
1937	paladilhianus, St. Simon.
1938	septemspiralis, Raz.
1939	1 heydenianus, Clessin.
1940	auritus, Ziegl.
	<i>a. major.</i>
1941	tesselatus, Wieg.
1942	hellenicus, Bourg.
1943	dionysi, Paul.
1944	maresi, Letour.
1945	gracilis, Küst.
1946	martensianus, Mlldff.
1947	croaticus, Zeleb.
1948	patulus, Drap.
1948*	tergestinus, West.
1949	macei, Bourg.
1950	villæ, Spin.
1951	gredleri, West.
1952	pinianus, Bourg.
1953	agriotes, West.
1954	elongatus, Paul.
1955	elegantissimus, Paul.
1956	1 turriculus, Paul.
1957	eupleurus, Bourg.
1958	nanus, West.
1959	clessini, Stoss.
1960	protractus, Zieg.
1961	philippianus, Gredl.
1962	porroi, Strob.
1963	henricæ, Strob.
1964	plumbeus, West.

**Fam. III.—Cyclostomatidæ.****Cyclostoma, Draparnaud.**

1965	olivieri, Sow.
1966	costulatum, Zieg.
1967	1 hyrcanum, Mart.
1968	glaucum, Sow.
1969	elegans, Müll.
1970	sulcatum, Drap.
1971	1 reticulatum, Zieg.
1972	2 multisulcatum, Pot. and Mich.
1973	melitense, Sow.
1974	ferrugineum, Lamk.
1975	mamillare, Lamk.

**Fam. IV.—Paludinidæ.****Paludina, Lamarck.**

1976	contecta, Mill.
	<i>a. inflata</i> , Villa.
1977	1 crystallina, Gray.
1978	mamillata, Kstr.
1979	hungarica, Hazay.
1980	pyramidalis, Christ. and Jan.
1981	vivipara, Lin.
1982	atra, Christ. and Jan.
1983	duboisiana, Mouss.
1984	1 okaensis, Clessin.
1985	hellenica, Clessin.

**Cleopatra, Troschel.**

1986	bulimoides, Olivi.
	<i>a. trifasciata</i> , Parr.

**Fam. V.—Hydrobiidæ.****Bythinia, Leach.**

1987	tentaculata, Lin.
1988	1 ventricosa, Menke.
1989	2 excavata, Jeffr.
1990	3 bottnica, Anders.
1991	4 thermalis, Hazay.
1992	proxima, Frfld.
1993	leachi, Shepp.
1994	troscheli, Paasch.
1995	1 græca, West.
1996	celtica, Bourg.
1997	boissieri, Charp.
1998	1 segestana, Ben.
1999	majewskyi, Parr.
2000	orsini, Charp.
2001	rubens, Mouss.
2002	badiella, Parr.



**Paludinella, C. Pfeiffer.***(Paladilhia, Bourg.)*

- 2003 conica, Palad.  
2004 robiciana, Clessin.

*(Hydrobia, Hartm.)*

- 2005 kutschigi, Kust.  
2006 gagatinella, Parr.  
2007 achaja, Clessin.  
2008 thiesseæ, Clessin.  
2009 gracilis, Morel.  
2010 consociella, Frfld.  
2011 longiscata, Bourg.  
2012 aponensis, Mart.

*(Bythiospeum, Bourg.)*

- 2013 pellucida, Benz.  
2014 clessini, Weinl.  
2015 turrita, Clessin.  
2016 gracilis, Clessin.

*(Belgrandia, Bourg.)*

- 2017 gibba, Drap.  
2018 delpretiana, Paul.  
2019 lusitanica, Palad.  
2020 thermalis, Lin.  
2021 gibberula, Palad.  
2022 bourguinati, St. Sim.

*(Bythinella, Moq. Tand.)*

- 2023 bicarinata, Des Moul.  
2024 vitrea, Drap.  
2025 guranensis, Palad.  
2026 ferussina, Des Moul.  
2027 abbreviata, Mich.  
2028 reyniesi, Dup.  
2029 canaliculata, Palad.  
2030 cylindrica, Parr.  
2031 austriaca, Frfld.  
2032 charpentieri, Roth.  
2033 dunkeri, Frfld.  
2034 opaca, Zieg.  
2035 etrusca, Palad.  
2036 hungarica, Hazay.  
2037 brevis, Drap.  
2038 saxatilis, Reyn.  
2039 elliptica, Palad.  
2040 lacheineri, Charp.  
2041 1 fontinalis, Kok.  
2042 2 alpestris, Villa.  
2043 minutissima, J. F. Schm.  
2044 parreyssi, Pfr.  
2045 nana, Terv.  
2046 elachista, Bourg.

**Paludinella, C. Pfeiffer.—continued.***(Bythinella, Moq. Tand.)—continued.*

- 2047 welebitana, Clessin.  
2048 eurystoma, Palad.  
2049 servainiana, Bourg.  
2050 armoricana, Palad.  
2051 schmidtii, Charp.  
    *a.* prasina, J. F. Schm.  
    *b.* psittacina, J. F. Schm.  
2052 1 bavarica, Clessin.  
2053 2 cyclolabris, Rossm.  
2054 tornensis, Hazay.  
2055 heynemanniana, Hazay.  
2056 viridis, Poir.  
2057 utriculus, Palad.

*(Pseudamnicola, Paul.)*

- 2058 anatina, Drap.  
2059 similis, Drap.  
2060 lanceolata, Palad.  
2061 bonelliana, De Stef.  
2062 prætutiorum, Palad.  
2063 lucensis, Stab.  
2064 salinesii, Phil.  
2065 vestita, Ben.  
2066 moussoni, Calc.  
2067 raddei, Bttg.  
2068 conovula, Parr.  
2069 macrostoma, Kstr.  
2070 seminulum, Parr.  
2071 tritonum, Bourg.  
2072 marginata, West.  
2073 stossichi, Clessin.  
2074 negropontina, Clessin.  
2075 pannonica, Frfld.  
2076 dupotetiana, Forbes.

**Lithoglyphus, Mühlenfeldt.**

- 2077 naticoides, Fér.  
2078 1 apertus, Kstr.  
2079 fluminensis, Sadler.  
2080 prasinus, Kok.  
2081 pygmæus, Frfld.  
2082 carinatus, Kok.  
2083 pannonicus, Frfld.  
2083\* fuscus, Zieg.  
2083† affinis, Frfld.

**Pyrgula, Cristofori and Jan.**

- 2084 annulata, Lin.  
2085 thiesseana, Godet.

**Emmericia, Brusina.**

- 2086 patula, Brum.  
*a. detrita.*  
 2087 klecachi, Bourg.  
 2088 ventricosa, Kutsch.  
 2089 narentina, Klecak.  
 2090 expansilabris, Mhlf.

**Fam. VI.—Melaniidæ.****Melania, Lamarck.**

- 2091 tuberculata, Müll.  
 2092 1 fasciolata, Oliv.  
 2093 2 rubropunctata, Tristram.  
 2094 holandri, Fér.  
 2095 1 elegans, Schm.  
 2096 2 coronata, Kstr.  
 2097 3 afra, Zieg.  
 2097\* 4 lævigata, Rossm.  
 2098 5 agnata, Zieg.  
 2099 parvula, Schm.

**Melanopsis, Férussac.**

- 2100 acicularis, Fér.  
 2101 1 cornea, Fér.  
 2102 esperi, Fér.  
 2102\* 1 pilariana, Bourg.  
 2103 audebardi, Prevost.  
 2104 præmorsa, Lin.  
 2105 buccinoidea, Oliv.  
 2106 1 eremita, Tristram.  
 2107 2 ammonis, Tristram.  
 2108 3 variabilis, Phil.  
 2109 4 ferussaci, Roth.  
 2110 5 maroccana, Chem.  
 2111 6 mingrelica, Bayer.  
 2112 costata, Oliv.  
 2113 1 kindermanni, Frfld.  
 2114 saulcyi, Bourg.  
 2115 mauritanica, Bourg.  
 2116 parreyssi, Mühlf.  
 2117 nodosa, Fér.  
 2118 1 jordanica, Roth.  
 2119 lævigata, Lamk.  
 2120 dufouri, Fér.  
 2121 graellsii, Villa.  
 2122 lorcanica, Guirao.  
 2123 1 etrusca, Villa.  
 2124 cariosa, Lin.  
 2125 1 costellata, Fér.  
 2126 insignis, Parr.

**Fam. VII.—Valvatidæ.****Valvata, Müller.**

- 2127 antiqua, Sow.  
 2128 piscinalis, Müll.  
 2129 tolosana, St. Sim.  
 2130 fluviatilis, Colbeau.  
 2131 alpestris, Blauner.  
 2132 saulcyi, Bourg.  
 2133 minuta, Drap.  
 2134 baicalensis, Gerstf.  
 2135 macrostoma, Steenb.  
 2136 cristata, Müll.

**Sub-Order II.—Scutibranchiata.****RHIPIDOGLOSSA.****Fam. I.—Hydrocenidæ.****Hydrocena, Parreys.**

- 2137 cattaroensis, Pfr.

**Fam. II.—Neritidæ.****Neritina, Lamarck.**

- 2138 nilotica, Reeve.  
 2139 jordani, Sow.  
 2140 1 interposita, Mouss.  
 2141 anatolica, Recl.  
*a. bellardii, Mouss.*  
 2142 macrii, Recl.  
*a. michonii, Bourg.*  
 2143 danubialis, Mhlf.  
 2144 1 strangulata, Mhlf.  
 2145 2 carinata, Kok.  
 2146 3 serratilinea, Zieg.  
 2147 4 chrysostoma, Kutsch.  
 2148 fluviatilis, Lin.  
 2149 1 halophila, Klett.  
 2150 2 littoralis, Lin.  
 2151 3 thermalis, Boubée.  
 2152 4 subthermalis, Bourg.  
 2153 5 zebrina, Recl.  
*a. pyrenaica, M. Tand.*  
 2154 6 rhodocolpus, Jan.  
*a. trifasciata, Menke.*  
*b. ticinensis, Villa.*  
*c. intexta, Villa.*  
 2155 7 pustulata, Parr.  
 2156 8 penchinati, Aler.  
 2157 9 salnitina, Lin.  
 2158 10 dalmatica, Partsch.

**Neritina, Lamarck.**—continued.

- a. expansa*, Wald.  
*δ. fusca*, Wald.  
 2159 *transversalis*, Zieg.  
 2160 1 *castanea*, Zel.  
 2161 *litturata*, Eichw.  
 2162 *varia*, Zieg.  
 2163 *meridionalis*, Phil.  
     *a. nigrocærulea*, Parr.  
 2164 *prevostiana*, Partsch.  
 2165 *bætica*, Lamk.  
 2166 *sardoa*, Menke.  
 2167 *peloponnesia*, Recl.  
 2168 *numidica*, Recl.  
 2169 *elongatula*, Morel.  
 2170 1 *violacea*, Morel.  
 2171 2 *inquinata*, Morel.  
 2172 *guadianensis*, Morel.  
 2173 1 *velascoi*, Graells.  
 2174 2 *valentina*, Graells.

**Class II.—PELECYPODA.****Order I.—Tetrabranchia.***Sub-Order I.—Mytilacea.**Fam. Mytilidæ.***Dreissena, Van Beneden.**

- 2175 *polymorpha*, Pallas.  
 2176 *cochleata*, Kickx.

*Sub-Order II.—Submytilacea.**Fam. Unionidæ.***Unio, Retzius.**

- 2177 *littoralis*, Lamk.  
     *a. crassicosatus*.  
     *δ. rugosus*.  
 2178 *elongatus*, Dup.  
 2179 *umbonatus*, Rossm.  
 2180 *minor*, Rossm.  
 2181 *pianensis*, Farines.  
 2182 *maccarthyanus*, Bourg.  
 2183 *acarnanicus*, Kob.  
 2184 *crassus*, Retz.

**Unio, Retzius.**—continued.

- 2185 *ater*, Nills.  
 2186 1 *intermedius*, Rossm.  
 2187 2 *consentaneus*, Zieg.  
 2188 *reniformis*, Schm.  
 2189 *batavus*, Nills.  
 2190 1 *riparius*, C. Pfr.  
 2191 2 *rivularis*, Rossm.  
 2192 3 *amnicus*, Zieg.  
 2193 4 *nanus*, Lamk.  
 2194 5 *carinthiacus*, Zieg.  
 2195 6 *piscinalis*, Zieg.  
 2196 7 *parvidens*.  
 2197 8 *pusillus*, Rossm.  
 2198 9 *gangrenosus*, Zieg.  
 2199 *decurvatus*, Rossm.  
 2200 1 *atrovirens*, Schm.  
 2201 *subtilis*, Drouet.  
 2202 *durieui*, Desh.  
 2203 *mingrelicus*, Drouet.  
 2204 *sieversi*, Drouet.  
 2205 *ægyptiacus*, Call.  
 2206 *byzantinus*, Parr.  
 2207 *vescoi*, Bourg.  
 2208 *desectus*, Drouet.  
 2209 *vicarius*, West.  
 2210 *moquinianus*, Dup.  
 2211 *capigliolo*, Parr.  
 2212 1 *bandinii*, Kstr.  
 2213 *sandrii*, Villa.  
 2214 1 *sericatus*, Rossm.  
 2215 2 *truncatulus*, Drouet.  
 2216 *elongatulus*, Mühlf.  
 2217 1 *ceratinus*, Drouet.  
 2218 2 *dalmaticus*, Drouet.  
 2219 *pictorum*, Lin.  
 2220 *limosus*, Nills.  
 2221 *ponderosus*, Spitz.  
 2222 *longirostris*, Zieg.  
 2223 *graniger*, Zieg.  
 2224 *platyrhynchus*, Rossm.  
 2225 *rostratus*, Mich.  
 2226 *requienii*, Mich.  
 2227 *rousi*, Dup.  
 2228 *aleroni*, Comp.  
 2229 *ardusianus*, Reyn.  
 2230 *robustus*, Villa.  
 2231 *spinelli*, Villa.  
 2232 *lawleyanus*, Gentil.  
 2233 *aradæ*, Phil.



**Unio, Retzius.**—continued.

- 2234 gargottæ, Phil.  
2235 turtoni, Payr.  
2236 valentinus, Rossm.  
2237 moreleti, Desh.  
2238 mucidus, Morel.  
2239 dactylus, Morel.  
2240 pallens, Parr.  
2241 tumidus, Retz.  
2242 1 mülleri, Rossm.  
2243 2 zelevori, Parr.  
2244 3 decurvatus.  
2245 4 corrosus.  
2246 terminalis, Bourg.  
2247 1 tristrami, Loc.

**Margaritana, Schumacher.**

- 2248 margaritifera, Retz.  
2249 1 tristis, Morel.  
2250 bonellii, Fér.  
2251 1 variabilis.

**Mutela, Scopoli.**

- 2252 nilotica, Fér.

**Anodonta, Cuvier.**

- 2253 cygnea, Lin.  
2254 1 intermedia, C. Pfr.  
2255 cellensis, Gmel.  
2256 1 ponderosa, Kob.  
2257 rostrata, Kok.  
2258 piscinalis, Nilss.  
2259 1 ponderosa, C. Pfr.  
2260 2 anatina, Lin.  
2261 cyrea, Drouet.  
2262 truncata, Kutsch.  
2263 melinia, Bourg.  
2264 leprosa, Parr.  
2265 exulcerata, Villa.  
2266 gravida, Drouet.  
2267 complanata, Zieg.  
2268 1 coarctata, Pot. and Mich.

**Sub-Order.—Conchacea.**

**Fam.—Cyrenidæ.**

**Sphærium, Scopoli.**

- 2269 rivicola, Leach.  
2270 solidum, Nord.  
2271 corneum, Lin.  
2272 nucleus, Stud.  
2273 scaldianum, Nord.  
2274 pisidoides, Gray.  
2275 draparnaldi, Clessin.  
2276 pallidum, Gray.  
2277 lacustre, Müll.  
2278 steinii, A. Schm.  
2279 ryckholti, Nord.  
2280 creplini, Dunker.

**Pisidium, C. Pfeiffer.**

- 2281 amnicum, Müll.  
2282 1 elongatum, Baud.  
2283 supinum, A. Schm.  
2284 henslowianum, Shepp.  
2285 milium, Held.  
2286 1 normandianum, Dup.  
2287 pulchellum, Jenyns.  
2288 globulare, Clessin.  
2289 obtusale, C. Pfr.  
2290 1 personatum, Malm.  
2291 intermedium, Gass.  
2292 nitidum, Jenyns.  
2293 rivulare, Clessin.  
2294 fossarinum, Clessin.  
2295 1 acuminatum, West.  
2296 heldreichii, Clessin.  
2297 casertanum, Poli.  
2298 italicum, Clessin.  
2299 roseum, Scholz.  
2300 lenticulare, Nord.

**Corbicula, Mühlfeldt.**

- 2301 fluminalis, Müll.  
2302 1 fluviatilis, Clessin.  
2303 2 crassula, Mouss.  
2304 3 oxiana, Bttg.

# MOLLUSA OF THE MADEIRAN PROVINCE.

## Class I.—GASTROPODA.

### Order I.—Pulmonata.

#### Sub-Order I.—Geophila.

##### Fam. I.—Testacellidæ.

##### Testacella, Cuvier.

- (1) maugéi, Fér.

##### Fam. II.—Limacidæ.

##### Vitrina, Draparnaud.

- 2305 ruivensis, Couth.  
2306 marcida, Gould.  
2307 lamarkii, Fér.  
2308 nitida, Gould.

##### Hyalina, Gray.

- (Radiolus, Woll.  
2309 volutella, Pfr.  
2310 miguelina, Pfr.  
(Lucilla, Lowe.)  
(104) cellaria, Müll.  
(Crystallus, Lowe.)  
(62) crystallina, Müll.  
(Helicella, Beck.)  
2311 atlantica, Morel.

##### Fam. III.—Helicidæ.

##### Patula, Held.

- (Iulus, Woll.)  
2312 deflorata, Lowe.  
(Janulus, Lowe.)  
2313 bifrons, Lowe.  
2314 stephanophora, Desh.  
(Patula, Lowe.)  
2315 gueriniana, Lowe.  
(207) rotundata, Müll.  
(Pyramidula, Fitz.)  
(203) pygmæa, Drap.  
(Acanthinula, Beck.)  
2316 pusilla, Lowe.

##### Helix, Linné.

- (Vallonia, Risso.)  
(220) pulchella, Müll.  
(Campylæa, Beck.)  
2317 lowei, Fér.  
2318 portosanctana, Sow.  
(Cryptaxis, Lowe.)  
2319 leonina, Lowe.  
2320 undata, Lowe.  
(Katostoma, Lowe.)  
2321 psammophora, Lowe (foss.).  
2322 phlebophora, Lowe.  
2323 1 nivosa, Sow.  
(Iberus, Montf.)  
2324 wollastoni, Lowe.  
(Mitra, Alb.)  
2325 webbiana, Lowe.  
2326 cuticula, Shuttl.  
2327 chrysomela, Pfr. (foss.)  
2328 membranacea, Lowe.  
2329 furva, Lowe.  
2330 bollei, Alb.  
2331 leptostyla, Lowe.  
2332 erubescens, Lowe.  
2333 1 hyæna, Lowe.  
2334 advena, W. and B.  
2335 sarta, Alb.  
(Pomatia, Beck.)  
2336 subplicata, Sow.  
(Hemicycla, Sow.)  
2337 sarcostoma, W. and B.  
2338 pouchet, Fér.  
2339 modesta, Fér.  
2340 plicaria, Lamk.  
2341 consobrina, Fér.  
(Helicomela, Lowe.)  
2342 bowdichiana, Sow. (foss.)  
2343 punctulata, Sow.  
(Euparypha, Hartm.)  
(470) pisana, Müll.  
2344 1 macandrewii, Pfr.  
2345 2 ustulata, Lowe.  
2346 3 grasseti, Tarn.  
2346\* 4 geminata, Mouss.  
(Xerophila, Held.)  
2347 armillata, Lowe.

**Helix, Linné.—continued.***(Plebecula, Lowe.)*

- 2348 vulgata, Lowe.  
 2349 1 giramica, Lowe.  
 2350 nitidiuscula, Sow.

*(Irus, Lowe.)*

- 2351 laciniosa, Lowe.  
 2352 depauperata, Lowe.  
 2353 squalida, Lowe.

*(Spirorbula, Lowe.)*

- 2354 obtecta, Lowe.  
 2355 latens, Lowe.  
 2356 paupercula, Lowe.

*(Placentula, Lowe.)*

- 2357 compar, Lowe.  
 2358 maderensis, Wood.  
 2359 spirorbis, Lowe.  
 2360 leptosticha, Lowe.  
 2361 dealbata, Lowe.  
 2362 fictilis, Lowe.

*(Actinella, Lowe.)*

- 2363 lentiginosa, Lowe.  
 2364 stellaris, Lowe.  
 2365 arcta, Lowe.

*(Rimula, Lowe.)*

- 2366 arcinella, Lowe (*foss.*).  
 2367 arridens, Lowe.  
 2368 capsella, Lowe.  
 2369 fausta, Lowe.  
 2370 obserata, Lowe.

*(Hespidella, Lowe.)*

- 2371 armitageana, Lowe.

*(Gonostoma, Lowe.)*

- 2372 actinophora, Lowe.  
 2373 hispidula, Lamk.  
 2374 1 bertheloti, Fér.  
 2375 afficta, Fér.

*(Caracollina, Beck.)*

- (234) lenticula, Fér.

*(Callina, Lowe.)*

- 2376 rotula, Lowe.

*(Caseolus, Lowe.)*

- 2377 consors, Lowe.  
 2378 calculus, Lowe.  
 2379 compacta, Lowe.  
 2380 commixta, Lowe.  
 2381 abjecta, Lowe.  
 2382 sphærule, Lowe.

**Helix, Linné.—continued.***(Turricola, Beck.)*

- 2383 cyclodon, W. and B.  
 2384 despreauxii, D'Orb.

*(Hystricella, Lowe.)*

- 2385 echinulata, Lowe.  
 2386 bicarinata, Sow.  
 2387 vermetiformis, Lowe (*foss.*).  
 2388 turricula, Lowe.  
 2389 oxytropis, Lowe.

*(Turritella, Woll.)*

- 2390 cheiranthicola, Lowe.  
 2391 1 mustelina, Lowe.

*(Discula, Lowe.)*

- 2392 tetrica, Paiva.  
 2393 polymorpha, Lowe.  
 2394 1 salebrosa, Lowe.  
 2395 2 lincta, Lowe.  
 2396 3 pulvinata, Lowe.  
 2397 4 papilio, Lowe.  
 2398 5 discina, Lowe.  
 2399 6 gomesiana, Paiva.  
 2400 7 attrita, Lowe.  
 2401 tabellata, Lowe.  
 2402 argonautula, Lowe.  
 2403 testudinalis, Lowe.

*(Tectula, Lowe.)*

- 2404 lyelliana, Lowe.  
 2405 albersii, Lowe.  
 2406 bulwerii, Sow.  
 2407 tectiformis, Sow.

*(Craspedaria, Lowe.)*

- 2408 delphinula, Lowe (*foss.*).

*(Coronaria, Lowe.)*

- 2409 delphinuloides, Lowe.  
 2410 coronata, Desh.  
 2411 coronula, Lowe (*foss.*).  
 2412 tiarella, W. and B.

*(Lemniscia, Lowe.)*

- 2413 phalerata, W. and B.  
 2414 michaudi, Desh.  
 2415 calva, Lowe.  
 2416 galeata, Paiva.  
 2417 lemniscata, W. and B.

*Fam. IV.—Pupidae.***Bulimus, Scopoli.**

- (691) ventricosus, Drap.  
 2418 forbesianus, M. and D.  
 2419 pruninus, Gould.



**Bulimus, Scopoli.—continued.**

- 2420 moquinianus, W. and B.  
 2421 helvolus, W. and B.  
 2422 badius, Fér.

**Pupa, Draparnaud.***(Truncatellina, Lowe.)*

- 2423 linearis, Lowe (*foss.*).  
 2424 microspora, Lowe.

*(Gastrodon, Lowe.)*

- 2425 fanalensis, Lowe.  
 (1008) umbilicata, Drap.  
 2426 1 anconostoma, Lowe.

*(Gastrocopta, Woll.)*

- 2427 acarus, Bens.  
 2428 gorgonica, Dohrn.  
 2429 1 minor, Dohrn.

*(Lyostyla, Lowe.)*

- 2430 cheillogona, Lowe.  
 2431 vineta, Lowe.  
 2432 irrigua, Lowe.  
 2433 cassidula, Lowe.  
 2434 concinna, Lowe.  
 2435 laurina, Lowe.  
 2436 sphinctostoma, Lowe.  
 2437 lævigata, Lowe.  
 2438 recta, Lowe.  
 2439 macilenta, Lowe.

*(Craticula, Lowe.)*

- 2440 fusca, Lowe.  
 2441 millegrana, Lowe.  
 2442 ferraria, Lowe.  
 2443 monticola, Lowe.  
 2444 calathiscus, Lowe.

*(Staurodon, Lowe.)*

- 2445 saxicola, Lowe.

**Clausilia, Draparnaud.**

- 2446 crista, Lowe.  
 2447 deltostoma, Lowe.  
 2448 1 raricosta, Lowe.  
 2449 2 undulata, Bttg.

**Fam. V.—Stenogyridæ.****Stenogyra, Shuttleworth.**

- (1078) decollata, Lin.  
 2450 subdiaphana, King.

**Achatina, Lamarck.***(Acicula, Risso.)*

- (1723) acicula, Müll.  
*(Cochlicopa, Müll.)*  
 (1680) lubrica, Müll.  
 (1680\*) 1 maderensis, Lowe.

**Lovea, Watson.***(Ferussacia, Risso.)*

- (1694) folliculus, Gronov.  
 2451 vitrea, W. and B.  
 2452 leacockiana, Lowe.  
*(Fusillus, Lowe.)*  
 2453 gracilis, Lowe.  
 2454 oryza, Lowe.  
 2455 1 tuberculata, Lowe.  
 2456 triticea, Lowe.

*(Amphorella, Lowe.)*

- 2457 melampoides, Lowe.  
 2458 tornatellina, Lowe.  
 2459 mitriformis, Lowe.  
 2460 1 maderensis, Lowe.

*(Cylichna, Lowe.)*

- 2461 producta, Lowe.  
*(Cylichnidea, Lowe.)*  
 2462 ovuliformis, Lowe.  
 2463 cylichna, Lowe (*foss.*).

**Fam. VI.—Succineidæ.****Succinea, Draparnaud.**

- 2464 sanctæ-helenæ, Lesson.

**Sub-Order.—Hygrophila.****Fam. I.—Limnæidæ.****Limnæa, Draparnaud.**

- (1844) truncatula, Müll.

**Planorbis, Guettard.**

- (1877) glaber, Jeffer.

**Ancylus, Geoffroy.**

- 2465 striatus, Z. and G.

**Fam. II.—Physidæ.****Physa, Draparnaud.**

- (1903) acuta, Drap.

## Order II.—Prosobranchiata.

Sub-Order I.—*Pectinibranchiata*.*TÆNIOGLOSSA*.*Fam. I.—Hydrobiidae*.*Hydrobia*, Hartmann.(2057) *similis*, Drap.*Fam. II.—Cyclophoridae*.*Craspedopoma*, Pfeiffer.

2466	<i>lucidum</i> , Lowe.
2467	1 <i>flavescens</i> , Lowe.
2468	2 <i>neritoides</i> , Lowe.
2469	<i>monizianum</i> , Lowe.
2470	<i>lyonnetianum</i> , Lowe.
2471	<i>trochoideum</i> , Lowe.

## A D D E N D A .

*Helix*, Linné.

2472	<i>bertilliana</i> , Adams.
2473	<i>beguirensis</i> , Debeaux.
2474	<i>derbrugeriana</i> , Letour.
2475	<i>dictæa</i> , Mart.
2476	<i>duinensis</i> , Stoss.
2477	<i>lemorisii</i> , Debeaux.
2478	<i>maachi</i> , Gerst.
2479	<i>middendorffi</i> , Gerst.
2480	<i>ravida</i> , Ben.
2481	<i>rubens</i> , Mart.
2482	<i>schwerzenbachii</i> , Calcara.
2483	<i>selskii</i> , Gerst.
2484	<i>weyprichii</i> , Schm.

*Buliminus*, Ehrenberg.

2485	<i>albidus</i> , Menke.
2486	<i>issericus</i> , Kobelt.
2487	<i>haberhaueri</i> , Dohrn.
2488	<i>kobeltianus</i> , Nevill.
2489	<i>subvallotianus</i> , Ancy.

## Pupa, Draparnaud.

2490	<i>gracilis</i> , Bttg.
2491	<i>manotiana</i> , Bourg.
2492	<i>pyramidalis</i> , Dupuy.

*Clausilia*, Draparnaud.

2493	<i>chelidromia</i> , Bttg.
2494	<i>chalcidensis</i> , Bttg.

*Clausilia*, Draparnaud.—Continued.

2495	<i>dorica</i> , Bttg.
2496	<i>polyptychia</i> , Bttg.
2497	<i>peucetana</i> , Bttg.
2498	<i>strictaluna</i> , Bttg.

*Succinea*, Draparnaud.

2499	<i>exarata</i> , Bourg.
2500	<i>martensiana</i> , Noll.

*Ancylus*, Geoffroy.

2501	<i>curvirostris</i> , Villa.
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*Pomatias*, Studer.

2502	<i>canescens</i> , Rossm.
2503	<i>sardus</i> , Mart.
2504	<i>tauricus</i> , Zieg.
2505	<i>tersatinus</i> , Zieg.
2506	<i>perseiananus</i> , Kob.
2507	1 <i>ziquensis</i> , Kob.

*Melania*, Lamarck.

2508	<i>amurensis</i> , Gerst.
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*Paludina*, Lamarck.

2509	<i>ussuriensis</i> , Gerst.
2510	<i>prærosa</i> , Gerst.

*Paludinella*, C. Pfeiffer.

2511	<i>cretica</i> , Clessin.
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*Pisidium*, C. Pfeiffer.

	<i>nitidum</i> , Jenyns.
2512	1 <i>splendens</i> , Baud.

*Casertanum*, Poli.

2513	1 <i>cinereum</i> , Alder.
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THOS. CALDCLEUGH, PRINTER, DURHAM.

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GENERAL

# MUSEUM NORMANIANUM,

OR

## A Catalogue of the Invertebrata

OF

Europe, and the Arctic and North Atlantic Oceans,

WHICH ARE CONTAINED IN THE COLLECTION OF THE

REV. CANON A. M. NORMAN,

M.A., D.C.L., LL.D., F.R.S., F.L.S.

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## VI. MOLLUSCA TERRESTRIA ET FLUVIATILIA.

### SUPPLEMENT

(TO CATALOGUE PRINTED IN 1890).

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DURHAM:

THOMAS CALDCLEUGH, PRINTER, 70, SADDLER STREET.

—  
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## NOTES.

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The Notes in the Preface to my Catalogue published in 1890 will, in a great measure, apply also to this Supplemental List.

The Mollusca in the present list have almost all been obtained by purchase, and by far the greater majority of the more recently characterized species or named forms have been determined by their describers.

Among the Mollusca of older authors are a valuable series of the specimens sent out by Parreys (whose labels can always be recognized, as being equal sized oblong pieces of paper, on which the name of the shell is written in bold characters, but without any locality or date). These specimens of Parreys were originally in the collection of the Belgian Conchologist, M. Colbeau. M. Colbeau's collection passed into the possession of M. E. Van Den Broeck, and at the dispersal of M. Broeck's collection I had the opportunity of the first selection, and thus secured the types of Parreys and other specimens of interest.

At the sale of M. Morelet's Mollusca I obtained many of his type examples and other shells of value.

A. M. NORMAN.

THE RED HOUSE,  
BIRKHAMSTED,  
HERTS.

*December 18, 1900.*





# MUSEUM NORMANIANUM.

## VI.—MOLLUSCA TERRESTRIA ET FLUVIATILIA.

### SUPPLEMENT.

#### Class I.—GASTEROPODA.

##### Order I.—Pulmonata.

##### *Sub-Order I.—Geophila.*

##### *Fam. I.—Testacellidæ.*

##### *Glandina*, Schumacher.

- (19) poireti, C. Pfr.  
2514 1 agapeta, Bgt.

##### *Fam. II.—Limacidæ.*

##### *Parmacella*, Cuvier.

- 2515 alexandrina, Ehrbg.  
2516 dorsalis, Mouss.

##### *Vitrina*, Draparnaud.

- (23) diaphana, Drap.  
2517 2 jetschini, West.  
2518 kochi, Andræ.  
2519 reitteri, Bttg.  
2520 carniolica, Bttg.  
(37) annularis, Venetz.  
2521 1 persica, Bttg.

##### *Macrochlamys*, Benson.

- 2522 turanica, Marts.

##### *Limax*, Linné.

- 2523 deshayesii, Bgt.

##### *Amalia*, Moq.-Tandon.

- 2524 raymondiana, Bgt.

##### *Trigono-chlamys*, Boettger.

- 2525 imitatrix, Bttg.

##### *Conulus*, Fitzinger.

- 2526 callopisticus, Bgt.  
2527 fabricii, Beck.

##### *Hyalinia*, Agassiz.

##### *(Vitreæ, Agassiz.)*

- 2528 transsylvanica, Cless.  
2529 erjavecii, Brus.  
2530 litoralis, Cless.  
(62) crystallina, Müll.  
2531 2 orientalis, Kim.  
2532 narbonensis, Cless.  
2533 calderoni, West.  
2534 mica, West.  
2535 vitrea, Bielz.  
2536 eustilba, Bgt.  
2537 permodesta, Bgt.

##### *(Zonitoides, Lehmann.)*

- (74) excavata, Bean.  
2538 a. vitrina, Jeffr.

##### *(Polita, Held.)*

- (79) petronella, Charp.  
2539 1 jaccetanica, Bgt.  
2540 2 subnitidosa, Mouss.  
2541 eurabdota, Bgt.  
2542 lentiformis, Kobelt.  
(96) glabra, Studer.  
2543 2 subglabra, Bgt.  
(103) alliaria, Müll.  
2544 melitensis, Kobelt.  
(104) cellaria, Müll.  
2545 4 suburbanæ, Paul.  
2546 chelia, Bgt.  
2547 1 cheliella, Pech.  
2548 navarrica, Bgt.  
(123) nitens, Mich.  
2549 a. helmii, Gilb.  
2550 1 scepi, Hazaz.



**Hyalinia, Agassiz.—continued.***(Polita, Held.)—continued.*

- 2551 2 ressmanni, West.  
 2552 3 olearis, West.  
 2553 4 lundensis, West.  
*(Mesomphix, Rafinesque).*  
 2554 simoni, Bttg.  
 2555 libanica, Næg. and West.  
 (150) olivetorum, Hermann.  
 2556 1 subincerta, Nev.  
 2557 2 macrobiata, Nev.

**Zonites, Montfort.**

- 2558 örtzeni, Martens.  
 2559 polycrates, Martens.  
 2560 cæsius, Martens.  
 2561 kobelti, Bttg.  
 2562 rhodius, Martens.  
 (166) compressus, Zieg.  
 2563 a. lardea, Stentz.

**Fam. III.—Leucochroidæ.****Leucochroa, Beck.**

- (176) candidissima, Drap.  
 2564 e. depressa, Mhl.  
 2565 f. microstoma, Bgt.  
 2566 g. conoidea, Bgt.  
 2567 saharica, Deb.

**Fam. IV.—Helicidæ.****Helix, Linné.***(Punctum, Morse.)*

- 2568 lederi, Bttg.  
*(Patula, Held.)*  
 2569 abietina, Bgt.  
 (215) rupestris, Stud.  
 2570 a. saxatilis, Hm.  
*(Gonostoma, Held.)*  
 (225) corcyrensis, Partsch.  
 2571 2 octogyrata, Mouss.  
 (237) lens, Fér.  
 2572 2 callojuncta, Bl. and W.  
 2573 themcenensis, Bgt.  
 2574 1 pechaudi (Bgt.), Anc.  
*(Chilotrema, Leach.)*  
 (254) lapicida, Lin.  
 2575 1 andorrica, Bgt.  
*(Nummulina, Kobelt.)*  
 2576 genezarethana, Mouss.

**Helix, Linné.—continued.***(Fruticola, Held.)*

- (259) unidentata, Drap.  
 2577 a. anodonta, Tschap.  
 (261) leucozona, Zieg.  
 2578 1 ovirensis, Rossm.  
 2579 2 heteromorpha, West.  
 2580 steneligma (Bgt.), Mab.  
 2581 bofilliana, Fagot.  
 2582 phorochætia, Bgt.  
 (255) sericea, Drap.  
 2583 1 corneola, Cless.  
 2584 2 liberta, West.  
 2585 tumescens, West.  
 2586 clessini, Ulicny.  
 2587 lasia, Bgt.  
 2588 moquiniana, Raym.  
 (298) globula, Kryn.  
 2589 1 radschana, Bttg.  
 2590 transcaspia, Bttg.  
 2591 arpatschiana, Mouss.  
 2592 proclivis, Martens.  
 2593 hausknechti, Bttg.  
 (318) anconæ, Iss.  
 2594 1 simplicita, Parr.  
 (320) carthusiana, Müll.  
 2595 c. minor.  
 2596 d. fasciata, West.  
 (328) olivieri, Fér.  
 2597 5 cribrata, West.  
 (336) flaveola, Kryn.  
 2598 a. albina.  
 2599 cheffiana, Bgt.  
 (340) strigella, Drap.  
 2600 1 colliniana, Bgt.  
 2601 2 mehadiæ, Bgt.  
 2602 3 agapeta, Bgt.  
 2603 hirci, Cless.  
 2604 pantanellii, De Stef.  
 (344) martensiana, Tiberi.  
 2605 a. major.  
 (346) incarnata, Müll.  
 2606 1 veprium, Bgt.  
 2607 2 byssina, Gredl.  
 2608 andria, Martens.  
 (343) limbata, Drap.  
 2609 1 hylonomia, Bgt.  
*(Cressa, Westerlund.)*  
 (350) pellita, Fér.  
 2610 a. minor.

**Helix, Linné—continued.***(Campylæa, Beck.)*

- (364) ravergeri, Fér.  
 2611 1 persica, Bttg.  
 2612 cyrniaca, Dut.  
 (374) pouzolzi, Mich.  
 2613 a. unicolor, Pfr.  
 2614 2 bosnensis, Kob.  
 2615 argentellei, Kob.  
 2616 1 peritrichia, Bttg.  
 2617 hessei, Kim.  
 (385) heimesiana, Pini.  
 2618 2 ligurica, Kob.  
 (390) pyrenaica, Drap.  
 2619 1 xantheleæ (B.), Fag.  
 2620 2 complanata, Bgt.  
 2621 möllendorffi, Kob.  
 (400) planospira, Lam.  
 2622 b. minor.  
 2623 c. vitrea.  
 2624 5 etrusca, Kob.  
 2625 6 adelostoma, Parr.  
 2626 tiesenhauseni, Gredl.  
 2627 sadleriana (Z.), Rossm.  
 (421) trizona, Zieg.  
 2628 1 balcanica, Friw.  
 2629 2 frauenfeldi, Zel.  
 (422) cyclolabris, Desh.  
 2630 5 eubœa (Parr.), Kob.  
 (427) cærulans, Mhlf.  
 2631 a. zrmanjæ, Brus.  
 2632 squammatina, M. de Serres.  
 (432) cingulata, Stud.  
 2633 5 lucensis, Paul.  
 (437) carrarensis, Porro.  
 2634 1 montana, Paul.  
 (438) presli, F. Schm.  
 2635 3 anconæ, Gentil.  
 2636 4 agnata, Paul.  
 (441) colubrina, Jan.  
 2637 1 nubila (Z.), Kob.  
 2638 2 transiens, Adami.  
 (446) faustina (Z.), Rossm.  
 2639 3 citrinula (Z.), Bz.  
 2640 4 fortunata (Parr.), Bz.  
*(Arianta, Leach.)*  
 (451) arbustorum, Lin.  
 2641 c. rufescens, Moq.-Tand.  
 2642 7 sendtneri, Cless.  
 2643 8 troichoidalis, Roff.

**Helix, Linné—continued.***(Arianta, Leach.)—continued.*

- 2644 9 depressa, Held.  
 2645 10 witmanni, Zaw.  
 2646 11 jetschini, Ulicny.  
 2647 12 styriaca (Frfd.), Kobelt.  
*(Euparypha, Hartmann.)*  
 (466) planata, Chemn.  
 2648 2 erysthrostoma (Phil.), Fér.  
 (470) pisana, Müll.  
 2649 4 donatii (Berth.), Bgt.  
 2650 5 pisanopsis, Serv.  
 2651 6 alboranensis, Webb.  
 2652 7 burriana, Rossm.  
 2653 8 rhodostoma, Drap.  
 2654 9 sardoa, Ziegl.  
*(Xerophila, Held.)*  
 2655 bousqueti (Deb.), West.  
 2656 fædata (Hagenm.), West.  
 2657 æqusæ, Kob.  
 2658 rufolabris, Ben.  
 2659 da silvæ (Serv.), Bgt.  
 1 papalis, Loc.  
 2660 salentina (Bl.), Loc.  
 2661 limara, Bgt.  
 2662 1 limarella (Hagenm.), West.  
 2663 latastei (Let.), Bgt.  
 (490) subrostrata, Fér.  
 2664 1 hamyi (Bgt.), West.  
 (491) cretica, Fér.  
 2665 1 santorina, Let.  
 2666 psammatheia, Let. and Bgt.  
 (514) vestalis (Parr), Pfr.  
 2667 1 radiolata, Mouss.  
 2668 ramensis (Bgt.), West.  
 2669 1 mahmoudiana (Bgt.), West.  
 2670 panurga, Bgt.  
 2671 euphorcella (Pech.), Bgt.  
 2672 euphorcopsis (Let.), Anc.  
 2673 bollenensis, Loc.  
 2674 carpensoractensis, Fag.  
 2675 stiparum, Rossm.  
 2676 marioniana, Bgt.  
 2677 zaccarensis, Kob.  
 2678 devauxi, Deb.  
 2679 suberis, Loc.  
 2680 coenosi (Bgt.), Loc.  
 (527) terveri, Mich.  
 2681 1 luci, Florence.  
 2682 cyclostoma, West.

**Helix, Linné.—continued.***(Xerophila, Held.)—continued.*

- 2683      gouini (Deb.), West.  
 2684      lemoinei (Deb.), Kob.  
 (533)      sitifiensis, Bgt.  
 2685          1 jusiana (Bgt.), Loc.  
 2686      oreta, Bgt.  
 2687      monerca, Bgt.  
 2688      ripacurcica, Bofill.  
 (534)      cespitum, Drap.  
 2689          1 dismathia, Nev.  
 2690          2 alticola, Nev.  
 2691      calographa, West.  
 2692      guimeti, Bgt.  
 (549)      profuga, A. Schm.  
 2693          2 attica, Bttg.  
 2694          3 melitensis, Gatto.  
           gradiscanensis, Fag. (type not in  
           coll.)  
 2695          1 muggianica, Fag.  
 2696      tringa, West.  
 2697          1 montfalconensis (Stoss), West.  
 (552)      meridionalis, Parr.  
 2698          1 gyrosa, West.  
 2699      alberti, Kob.  
 2700      xalonica, Serv.  
 2701      alluviorum, Serv.  
 2702      montgiscardiana, Fag.  
 2703      grannonensis, Bgt.  
 2704      fera, Bgt.  
 (558)      striata, Müll.  
           2 nilssoniana, Bk.  
 2706      substriata, Cless.  
 2707      subapicina, Mouss.  
 2708      duveyrieriana, Bgt.  
 2709      letourneuxiana, Bgt.  
 2710      pictonum, Bgt.  
 2711      monistolensis, Fag.  
 2712      groboni, Bgt.  
 2713      lieuranensis (Bgt.), Cout.  
 (569)      valcourtiana, Bgt.  
 2714          1 veranyi (Bgt.), Cout.  
 2715      solaciaca, Mab.  
           thuillieri, Mab. (type not in coll.)  
 2716          1 nomephila, Bgt.  
 (570)      heripensis, Mab.  
 2717          1 ruida (Bgt.), Cout.  
 2718      cenisia, Ch.  
 2719      lugdanica, Mab.  
 2720      arelatensis, Loc.

**Helix, Linné.—continued.***(Xerophila, Held.)—continued.*

- 2721      geryvillensis, Bgt.  
 2722      djebbarica, Bgt.  
 2723      warnieriana, Bgt.  
 2724      misara, Bgt.  
 2725      ambielina (Ch.), Palad.  
 2726      æglia, Let. and Bgt.  
 2727      fabriesi (Deb.), West.  
 2728      isæa, Hegenm.  
 2729          1 nedromæ (Deb.), West.  
 2730      ademata (Bgt.), Loc.  
 2731      avenionensis (Bgt.), Loc.  
 2732      illibatiformis, Anc.  
 2733      eustricta, Bgt.  
 2734      montivaga, Fag.  
 (602)      xelebori, Pfr.  
           1 adarella (Bgt.), Serv.  
 2736      chthamalolena, Bgt.  
 2737      montserratica (Bgt.), Hidalgo.  
 (614)      crenimargo, Kryn.  
 2738          1 obtusior, Mouss.  
 2739      milaschewitschi, Ret.  
 (615)      syrensis, Pfr.  
 2740          1 exserta, Marts.  
 2741      graja, West.  
 2742      idia, Let. and Bgt.  
 (645)      spirula (Zel.), West.  
           1 batowskyana, Cless.  
 (649)      derbentina, Kryn.  
 2744          3 suprazonata (Bayer), Mouss.  
 2745      fedtschenkoi, Marts.  
 2746      talmacensis, Bielz.  
 2747      pumilio, Chemn.  
 2748      serrulata, Bk.  
 (673)      terrestris, Penn.  
           a. depressa, Bgt.  
 2749      liebetruti, Alb.  
 2750      subnumidica (Bgt.), West.  
 2751      cucullus, Marts.  
 (692)      barbara, Lin.  
 2753          1 terveriana, Mouss.  
 (Iberus, Montfort.)  
 (696)      scabriuscula, Desh.  
 2754          c. demissa, Ben.  
 2755          4 drepanensis (Huet), Pfr.  
 (706)      muralis, Müll.  
 2756          5 alutacea, Paul.  
 2757      substrigata (B.), Mab.  
 2758      weberi, Kob.



**Helix, Linné.**—continued.*(Iberus, Montfort.)*—continued.

- 2759 tetuanensis, Kob.  
 2760 urmiensis (Næv.), Kob.  
*(Macularia, Albers.)*  
 (761) codringtoni, Gray.  
 2761 3 eucincta, Bgt.  
 2762 4 euchromia, Bgt.  
 2763 5 oetæ, Kob.  
 2764 6 ætolica, Bttg.  
 2765 crassa, Pfr.  
 (764) alonensis, Fér.  
 2766 1 lorcana, Rossm.  
 2767 guiraoana, Rossm.  
 2768 sollieri (Bgt.), Pech.  
 2769 chorista (Bgt.), Serv.  
 (779) vermiculata, Müll.  
 2770 c. linusina, Ben.  
 2771 monst. scalariformis.  
 (784) lactea, Müll.  
 2772 1 sevilliana (Grat.), Mouss.  
 2773 2 submaura, Fagot.  
 2774 bathylæma, Bgt.  
 2775 ghazouana (Deb.), Kob.  
 2776 tagina, Serv.  
 (790) myristigmæa, Bgt.  
 2777 3 mazograna, Deb.  
 2778 baudotiana, Bgt.  
 2779 charieia, Pech.  
 (799) julietti, Terv.  
 2780 a. saidana (Deb.), West.  
 2781 wagneri (Terv.), Kob.  
 2782 rerayana, Mouss.  
 2783 euglyptolena, Pech.  
 (810) abrolena, Bgt.  
 2784 b. microstoma, Bgt.  
 2785 flattersiana, Ancey.  
 2786 embia, Bgt.  
 2787 surrodonta, Bgt.  
 2788 stereodonta, Bgt.  
*(Tachea (Leach), Gray.)*  
 (827) vindobonensis, Fér.  
 2789 a. minor.  
 2790 b. conoidea, West.  
 2791 c. pallescens, Fér.  
 2792 d. nigra, West.  
 2793 e. quadrifasciata.  
 2794 f. rustica.  
 2795 calæca (Bgt.), Fag.  
 (822) atrolabiata, Kryn.

**Helix, Linné.**—continued.*(Tachea (Leach), Gray.)*—continued.

- 2796 d. albolabiata, Dohrn.  
*(Pomatia, Beck.)*  
 (842) mazullii, Jan.  
 2797 a. zonata, Bgt.  
 (853) obtusata, Zieg.  
 2798 1 bicincta (Dubois), Kob.  
 (854) cincta, Müll.  
 2799 1 euryonyx, Bttg.  
 (861) pomatia, Lin.  
 2800 g. lednicensis, Brancs.  
 2801 h. rustica, Hn.  
 2802 i. thessalica, Bttg.  
 2803 k. pyrgia, Bgt.  
 (862) ligata, Müll.  
 2804 a. pomatella (Tib.), Kob.  
 2805 b. pseudopomatia (Bl.), West.  
 2806 5 dichromolena, Bgt.

**Fam. V.—Pupidæ.****Buliminus (Ehrbg.), Beck.***(Zebrinus, Held.)*

- 2807 subdetritus, Bgt.  
 (876) detritus, Müll.  
 2808 e. corneus (Mich.), Rossm.  
 2809 f. luteus, Z.  
 (882) cylindricus, Mke.  
 2810 6 obsoletus (Parr), Mouss.  
 2811 7 acuminatus, Ret.  
 2812 8 subacuminatus, Ret.

*(Brepulus, Beck.)*

- 2813 bicallosus (Friw.), Pfr.  
 2814 subcarneolus, Bgt.  
 (909) transsylvanicus, Kim.  
 2815 a. relictus, Bielz.  
 2816 1 tenuis, Bielz.

*(Napæus, Albers.)*

- (925) todillus, Morel.  
 2817 2 cartensis, Let.  
 2818 thotellerii, Bgt.  
 2819 bourguinati, Let.  
 2820 issericus, Kobelt.  
 2821 subtilis, Rossm.  
 2822 monticola, Roth.  
 2823 cefalonicus, Mouss.  
 (936) montanus, Drap.  
 2824 a. major, Rossm.  
 2825 b. ventricosus, Loc.  
 2826 c. prolongatus, Brancs.

**Buliminus (Ehrbg.), Beck.**—continued.*(Napæus, Albers.)*—continued.

- 2827 *d. carthusianus*, Loc.  
 (942) *obscurus*, Müll.  
 2828 *a. alba*.  
 (944) *gibber*, Krynn.  
 2829 1 *phorcus*, Bgt.  
*(Chondrulus, Beck.)*  
 (954) *quinquedentatus*, Mhlf.  
 2830 *a. tumidus*, West.  
 2831 1 *approximatus*, Friw.  
 (955) *bergeri*, Roth.  
 2832 1 *meridionalis*, Bttg.  
 2833 *ghilanensis*, Iss.  
 2834 *limbodentatus*, Mouss.  
 2835 *hoplites*, West.  
 2836 *westerlundi*, Kob.  
 2837 *seductilis* (Z.), Rossm.  
 2838 *samius*, Marts.  
 2839 *planilabris*, Bttg.  
 (977) *thiesseanus* (Mss.), West.  
 2840 1 *helikonius*, West.  
*(Petraeus, Albers.)*  
 2841 *gaillyi* (Let.), West.  
*(Central Asian Species.)*  
 (993) *eremita*, Benson.  
 2842 *a. minor*.  
 2843 *b. controversa*.  
 2844 *albiplicatus*, Marts.  
 2845 *purus*, West.  
 2846 *entodon*, Marts.  
 2847 *haberhaueri* (Dohrn.), Ancey.  
 2848 *walteri*, Bttg.  
 2849 *herzensteini*, Ancey.

**Pupa, Draparnaud.***(Lauria, Gray.)*

- (1008) *cylindræa*, Da Costa.  
 2850 *a. edentula*.  
 2851 3 *anconostoma* (Lowe), Pfr.  
 2852 *numidica*, Bgt.  
 (1016) *superstructa*, Mouss.  
 2853 3 *lederi*, Bttg.  
*(Orcula, Held.)*  
 (1019) *dolium*, Drap.  
 2854 *a. uniplicata*, Pot. and Mich.  
 2855 *b. plagiostoma*.  
 2856 *c. cebratica*, West.  
 2857 1 *brancsiki*, Cless.  
 2858 2 *kimacoviczi*, Brancs.  
 2859 3 *minima*, Brancs.

**Pupa, Draparnaud.**—continued.*(Orcula, Held.)*—continued.

- 2860 *a. obesa*, Brancs.  
 2861 4 *titan*, Brancs.  
 2862 *jetschini*, Kim.  
 (1023) *doliolum*, Brug.  
 2863 *a. albina*.  
 2864 *b. uniplicata*.  
 2865 *c. critica*, Zel.  
*(Coryna, Westerlund.)*  
 2866 *bielzi*, Rossm.  
 2867 *locardi*, Bgt.  
*(Pagodina, Strobel.)*  
 (1033) *pagodula*, Des. Moul.  
 2868 3 *obliqua*, West.  
*(Torquilla, Faure-Big.)*  
 (1037) *similis*, Brug.  
 2869 *a. major*.  
 (1042) *goniostoma*, Kstr.  
 2870 *a. juliensis*, Bourg.  
 2871 *crassata* (Bofill.), Fag.  
 (1046) *avenacea*, Brug.  
 2872 *a. eupora*, Zieg.  
 2873 *b. paucidens*, West.  
 2874 3 *appuana*, Issel.  
 2875 4 *oligodonta*, Del Prete.  
 2876 5 *melanostoma* (Paul), West.  
 2877 *circumplicata* (Mouss.), West.  
 2878 *a. multidentata*, Strob.  
 2879 *tarraconensis*, Fag.  
 2880 *aragonica*, Fag.  
*massotiana*, Bourg. (type not in coll.)  
 2881 1 *penchinatiana*, Bourg.  
 2882 *ilendensis*, Fag.  
 2883 *pulchella*, Bofill.  
 2884 *dertosensis*, Bofill.  
 (1061) *rupestris*, Phil.  
 2885 *a. sicana*.  
 2886 *microdon*, West.  
 2887 *dupoteti*, Terv.  
 2888 *eucyphogyra*, Let.  
 (1065) *philippii*, Cantr.  
 2889 1 *savii* (Ch.), Fag.  
 (1069) *fumentum*, Drap.  
 2890 6 *cylindræa* (Z.), Rossm.  
 2891 7 *polita*, West.  
 2892 8 *hungarica*, Kim.  
 (1080) *secale*, Drap.  
 2893 *a. gracilior*, West.  
 2894 *b. cylindrica*, Loc.

**Pupa, Draparnaud.**—continued.*(Torquilla, Faure-Big.)*—continued.

- 2895 letourneuxi, Bourg.  
 (1091) variabilis, Drap.  
 2896 *b. elongata.*  
 2897 *c. polita*, Risso.  
*(Pupilla, Leach.)*  
 (1099) muscorum, Müll.  
 2898 *b. elongata*, Cless.  
 2899 *c. caucasica*, Bttg.  
 3000 *d. prætenuis*, Cless.  
 3001 *2 pratensis*, Cless.  
 3002 lundstromi, West.  
 3003 aucapitainiana, Bourg.  
 (1101) sterri, Voilt.  
 3004 *a. carpatica.*  
 3005 *2 cupa*, Jan.  
 (1103) triplicata, Stud.  
 3006 *a. bidentata*, West.  
*(Isthmia, Gray.)*  
 (1115) costulata, Nilsson.  
 3007 *1 allogyra*, West.  
*(Alæa, Jeffreys.)*  
 3008 schultzi, Phil.  
 3009 ronneyensis, West.  
 (1124) pygmæa, Drap.  
 3010 *a. callocarens*, Bttg.  
 (1128) antivertigo, Drap.  
 3011 *a. sexdentata*, Mont.  
 3012 *b. octodentata*, Stud.  
 3013 *8 novemdentata.*  
 3014 *9 ferox*, West.  
 3015 maresi, Bourg.

**Balea, Prideaux.**

- (1131) perversa, Lin.  
 3016 *1 pyrenaica*, Bourg.  
 3017 *2 suecana*, West.  
 3018 *3 polita*, West.

**Clausilia, Draparnaud.***(Alopiæ, Adams.)*

- (1138) livida, Menks.  
 3019 *b. costicollis*, Bielz.  
 3020 *c. minor.*  
 3021 *d. bipalitalis*, Kim.  
 3022 *1 maxima*, Rossm.  
 (1134) lischkeana, Parr.  
 3023 *1 obesa*, Kim.  
 (1135) fussianæ, Bielz.  
 3024 *1 grandis*, Bielz.  
 (1137) bielzi, Parr.

**Clausilia, Draparnaud.**—continued.*(Alopiæ, Adams.)*—continued.

- 3025 *3 tenuis*, Bielz.  
 3026 *4 media*, Bielz.  
 (1140) glauca, Bielz.  
 3027 *d. major.*  
 (1142) costata (Bielz), Kim.  
 3028 *a. ambigua*, Kim.  
 3029 *b. pleurata*, Kim.  
 3030 *c. corroborata*, Kim.  
 (1144) haueri, Bielz.  
 3031 *a. transitans*, Kim.  
 3032 *1 latecosta*, Bttg.  
 (1145) canescens, Parr.  
 3033 *a. unipalitalis*, Bttg.  
 (1147) elegans, Bielz.  
 3034 *1 intercedens*, A. Schm.  
 (1148) straminicollis (Parr), Ch.  
 3035 *1 schmidtii*, Kim.  
 3036 *2 minor*, A. Schm.  
 3037 *3 subcosticollis*, A. Schm.  
 3038 *4 boettgeri*, Kim.  
 3039 *monst. dextrorsa.*  
 (1149) plumbea, Ross.  
 3040 *c. albina*, Bielz.  
 (1150) regalis, Bielz.  
 3041 *1 deubeli*, Kim.  
 3042 *2 walderdorffi*, Kim.  
 3043 *3 valachiensis*, Bttg.  
 (1152) bogatensis, Bielz.  
 3044 *a. minor.*  
 3045 *1 lævigata*, Bielz.  
*(Clausiliastra, Mollendorff.)*  
 (1157) marginata, Zieg.  
 3046 *a. vitrea*, Bielz.  
 3047 *1 bilabiata* (Friw.), Rossm.  
 (1159) laminata, Mont.  
 3048 *5 triloba*, Bttg.  
 3049 *6 virescens*, A. Schm.  
 3050 *polita* (Parr), A. Schm.  
 (1168) costata, Zieg.  
 3051 *2 subcostata*, Bttg.  
 (1170) curta, Rossm.  
 3052 *a. maxima.*  
 3053 *2 heterodoxa*, Wes.  
 (1172) commutata, Rossm.  
 3054 *6 mutata*, West.  
 3055 *7 lucida* (Z.), Rossm.  
 (1179) küsteri, Rossm.  
 3056 *2 sarda*, Villa.



## Clausilia, Draparnaud.—continued.

(Clausiliastra, Mollendorff.)—continued.

- 3057 3 sophiæ, Paul.  
 (Mentissa, Boettger.)  
 (1188) gracilicosta (Z.), Rossm.  
 3058 1 gracilior, A. Schm.  
 3059 2 sordalis (Parr), A. Schm.  
 3060 3 taurica (Parr), A. Schm.  
 3061 canalifera, Rossm.  
 (1190) detera (Z.), Rossm.  
 3062 1 costulata, Bttg.  
 (Euxina, Boettger.)  
 (1192) circumdata (Friw.), Pfr.  
 3063 1 nectarina (Friw.), Pfr.  
 (1198) pleuroptychia, Bttg.  
 3064 1 polygyra, Bttg.  
 (1199) litotes, Parr.  
 3065 2 litoderma, Bttg.  
 3066 index, Mouss.  
 (1213) corpulenta (Friw.), Pfr.  
 3067 1 expansa (Parr), A. Schm.  
 (1214) mæsta, Fér.  
 3068 2 sublævis, Bttg.  
 3069 3 multiserrata, Bttg.  
 (Alinda, Adams.)  
 (1216) plicata, Drap.  
 3070 c. costata (Bz.), Kim.  
 3071 4 plagia, Bourg.  
 3072 5 elongata (A. S.), Rossm.  
 3073 6 exalta (Parr), West.  
 3074 7 weyersi, Roff.  
 (1220) biplicata, Mont.  
 3075 b. grandis, Rossm.  
 3076 c. albina, Parr.  
 3077 2 elongata (Parr), A. Schm.  
 3078 3 sordida, A. Schm.  
 3079 4 bucephala (Parr), A. Schm.  
 3080 5 fessa, West.  
 3081 6 labiata (Zel.), Bttg.  
 (Idyla, Vest.)  
 3082 socialis (Friw.), Pfr.  
 3083 fraudigera (Parr), Rossm.  
 (1228) pagana (Z.), Rossm.  
 3084 3 mendax, A. Schm.  
 (1231) rugicollis (Z.), Rossm.  
 3085 a. minor.  
 3086 2 hasta, Kust.  
 (Bitorquata, Boettger.)  
 3087 bitorquata (Friw.), Rossm.

## Clausilia, Draparnaud.—continued.

(Siciliaria, Vest.)

- (1237) leucophryne (Parr), Pfr.  
 3088 1 laudabilis (Parr), West.  
 (1242) septemplicata, Phil.  
 3089 1 proxima, Ben.  
 3090 2 prasina (Ben.), A. Schm.  
 (Herilla, Adams.)  
 (1246) dacica (Friw.), Pfr.  
 3091 1 consobrina, A. Schm.  
 3092 2 styriaca.  
 3093 3 neglecta, Brancs.  
 3094 kornisii (Kimak), Cless.  
 (Delima (Hn), Boettger.)  
 (1249) cattaroensis, Zieg.  
 3095 a. parvula, West.  
 3096 1 gracilior, Desh.  
 3097 subcristata, Kust.  
 (1252) gibbula, Zieg.  
 3098 1 brinieri, Pot. and Mich.  
 3099 2 peucetana, Kobelt.  
 3100 3 septentrionalis, Bttg.  
 3101 multiplex, West.  
 3102 bosnica, W. Pfr.  
 3103 a. unipalitalis, Brancs.  
 3104 b. expansilabris, Kim.  
 3105 1 plivæ, Brancs.  
 3106 travnicana, Brancs.  
 3107 1 brandisi, Kim.  
 3108 parnassia, Bttg.  
 3109 imitatrix, Bttg.  
 3110 decorata, Kust.  
 3111 translucida (Z.), Pfr.  
 (1264) ornata, Zieg.  
 3112 a. producta, A. Schm.  
 3113 2 humensis, Tschap.  
 (1267) itata, Marts.  
 3114 7 vicentina, A. Schm.  
 3115 8 tridentata, Adams.  
 3116 9 nigra (Peccioli), Iss.  
 3117 10 elegans, Gentil.  
 3118 11 lombardica, Mouss.  
 3119 12 albopustulata, Jan.  
 3120 invalida (Mouss.), Bttg.  
 (1277) balsamoi, Strob.  
 3121 2 lorinæ, Gredl.  
 3122 3 varescoi, Pini.  
 3123 4 tiesenhausenii, Gredl.  
 (1280) cincta, Brum.  
 3124 a. minor.

**Clausilia, Draparnaud.**—continued.  
(*Delima* (Hn), *Boettger*.)—continued.

- 3125 2 funki, Kust.  
3126 a. gredleriana, West.  
3127 saccata, Kust.  
(1284) subcylindrica, Zieg.  
3128 1 pupula, Kust.  
(1291) lævissima, Zieg.  
3129 a. minor.  
3130 3 fuliginea, Zieg.  
3131 modesta, Kust.  
3132 perinni (Let.), Bourg.  
(1301) muralis, Kust.  
3133 1 montenegrina (K.), Pfr.  
(1303) semirugata, Zieg.  
3134 6 totarugata, Kust.  
(1321) callifera, Kust.  
3135 1 planicollis, Parr.  
3136 macrostoma, Kust.  
(1323) conspurcata (Jan.), Rossm.  
3137 a. major.  
3138 2 septentrionalis, Bttg.  
3139 T-album, Kust.  
(1329) decipiens, Rossm.  
3140 a. minor.  
3141 2 fuscata, Mlldf.  
(1331) pachystoma, Kust.  
3142 1 grandis, A. Schm.  
3143 2 succinacea, Bttg.  
3144 3 vicaria, Bttg.  
(1332) albocincta, Pfr.  
3145 a. major.  
3146 1 variata, Kust.  
3147 2 minor, Kust.  
3148 3 maxima, Kust.  
3149 notabilis, Kust.  
(1339) archilabris, Kutsch.  
3150 a. sinjana (Kutsch.), Bttg.  
(1343) blanda, Zieg.  
3151 a. imbecillis (Parr), Bttg.  
3152 b. familiaris, West.  
(1344) sororia (Parr), A. Schm.  
3153 1 crassitesta, Bttg.  
(1348) satura, Zieg.  
3154 3 croatica (Parr), Pfr.  
(1351) gastrolepta (Z.), Rossm.  
3155 3 inermis, Bttg.  
3156 4 cusmichi, Kust.  
3157 5 tabida, Kust.  
3158 adposita (Parr), Strob.

**Clausilia, Draparnaud.**—continued.  
(*Dilataria*, *Vest.*)

- 3159 tenuilabris, Rossm.  
3160 pirostoma, Bttg.  
3161 marchi (Zel.), Pfr.  
3162 capillacea, Rossm.  
(1358) thomasiana (Charp.), Kust.  
3163 1 verbanensis, Strob.  
(*Medera*, *Vest.*)  
3164 leucantha (Kust.), West.  
(1362) dalmatina (Partsch.), Rossm.  
3165 3 orthopleura, West.  
3166 4 ingrossata, A. Schm.  
(1365) aquila, Parr.  
3167 a. minor.  
3168 gravida, Kust.  
(1367) almissana, Kust.  
3169 b. major, West.  
3170 c. minima, A. Schm.  
(1370) macarana, Zieg.  
3171 b. major, West.  
3172 c. gracilior, West.  
(1376) punctulata, Kust.  
3173 1 platychela, Scacchi.  
(1377) agnata (Partsch), Ant.  
3174 4 cognita, Bttg.  
(*Agathilla*, *Vest.*)  
(1383) sulcosa, Wagn.  
3175 4 discolor, Kust.  
3176 5<sup>a</sup> attractoides, Kust.  
3177 inchoata, Bttg.  
(1390) lamellosa, Wagn.  
3178 1 striolaris, Parr.  
(1393) goldi (Kutsch), Walderd.  
3179 1 angustella, Parr.  
3180 2 striatula, Parr.  
(1394) exarata (Z.), Rossm.  
3181 a. minor, West.  
3182 1 mostarensis, Brancs.  
3183 2 priomoricana, Stossich.  
3184 3 denegabilis, Zieg.  
(*Albinaria*, *Vest.*)  
3185 filumna (Parr), Pfr.  
3186 rollei, Bttg.  
(1395) anatolica, Roth.  
3187 1 apicalis, Bttg.  
3188 petrosa (Parr), Pfr.  
3189 idæa, Pfr.  
(1396) byzantina (Parr), Ch.  
3190 3 adpersa, Bttg.



**Clausilia, Draparnaud.**—continued.*(Albinaria, Vest.)*—continued.

- (1399) glabella, Pfr.  
 3191 1 spratti, Bttg.  
 3192 pura, Bttg.  
 (1400) strigata, Pfr.  
 3193 5 orientalis, Bttg.  
 (1405) virginea, Pfr.  
 3194 1 leucoderma, Bttg.  
 (1406) subvirginea, Bttg.  
 3195 2 occulta, Bttg.  
 (1413) sublamellosa, Bttg.  
 3196 2 intermedia, Bttg.  
 3197 3 prima, Bttg.  
 (1416) tenuicostata, Pfr.  
 3198 4 sulcicollis, Bttg.  
 3199 straminea (Parr), A. Schm.  
 3200 græca, Pfr.  
 (1436) lopedusæ, Calcara.  
 3201 1 pallidescens (Z.), A. Schm.  
 (1437) bigibbosa, Charp.  
 3202 1 major, Bttg.  
 3203 2 evanida, Bttg.  
 3204 forbesiana, Pfr.  
 3205 itylensis, Bttg.  
 3206 leucadia, Bttg.  
 (1438) brevicollis, Pfr.  
 3207 3 sublævigata, Bttg.  
 3208 4 casia, Bttg.  
 3209 5 inauris, Bttg.  
 3210 milleri, Pfr.  
 (1443) cærulea, Fér.  
 3211 7 minor, Pfr.  
 3212 8 euboica, Mouss.  
 3213 9 cretensis, Pfr.  
 3214 10 paria, Bttg.  
 3215 11 syrensis, Bttg.  
 3216 12 samia, Bttg.  
 3217 maculata (Z.), Rossm.  
 3218 kreglinger (Zel.), Pfr.  
 (1455) corrugata, Drap.  
 (1458) 3 inflata, Oliv.  
 3219 f. epimenides (Bl.), Bttg.  
 3220 4 almyrosana, Bttg.  
 (1461) drakakesi, Maltz.  
 3221 3 parallelifera, Bttg.  
 3222 4 amputata, Bttg.  
 3223 saxatilis, Parr.  
 (1466) clara, Bttg.  
 3224 1 multicosta, Bttg.

**Clausilia, Draparnaud.**—continued.*(Albinaria, Vest.)*—continued.

- (1535) oertzeni, Bttg.  
 3225 1 camura, Bttg.  
 3226 retusa, Oliv.  
 (1471) teres, Oliv.  
 3227 4 tenerrima, Bttg.  
 3228 5 centralis, Bttg.  
 3229 6 vesti, Bttg.  
 3230 7 ventricosa, Bttg.  
 3231 8 insularis, Bttg.  
 (1476) extensa, Pfr.  
 3232 2 acuticostata, Bttg.  
 3233 3 ventricosa, Bttg.  
 (1481) turrita, Pfr.  
 3234 1 syphnia, Bttg.  
 3235 rudis, Pfr.  
 3236 virgo, Mouss.  
 (1490) cristatella, Kstr.  
 3237 1 costulifera, Bttg.  
 (1499) discolor, Pfr.  
 3238 3 æginæ, Bttg.  
 3239 dorica, Bttg.  
 (1504) messenica, Mart.  
 3240 2 laconica, Bttg.  
 (1506) grisea, Desh.  
 3241 1 bigibbosula, West.  
 3242 2 heterochroa, West.  
 3243 haussknechti, Bttg.  
 3244 1 lævior, Bttg.  
 3245 2 semilævis, Bttg.  
 (1511) maculosa, Desh.  
 3246 1 thiesseana, Bttg.  
 3247 2 immensa, Bttg.  
 (1513) schuchi, Voith.  
 3248 2 tumida, Bttg.  
 3249 3 oertzeni, Bttg.  
 (1519) contaminata, Zieg.  
 3250 4 fuscostrigata, Bttg.  
 3251 5 soluta, Mouss.  
 3252 6 luxuriensis, Stabile.  
 (1523) nævosa, Fér.  
 3253 1 othona, Bgt.  
 (1527) senilis (Z.), Rossm.  
 3254 a. modesta (Z.), Ch.  
 3255 b. interpecta, Mouss.  
 3256 1 flavescens, Bttg.  
 3257 inconstans, Mouss.  
*(Pseudalinda, Boettger.)*  
 (1537) fallax, Rossm.



**Clausilia, Draparnaud.**—continued.*(Pseudalinda, Boettger.)*—continued.

- 3258 *a. minor.*  
 3259 *b. viridana*, Kim.  
 3260 1 *obscura* (Parr), A. Schm.  
 3261 2 *serbica*, Mlldf.  
 (1538) *stabilis*, Zieg.  
 3262 1 *hæsitans*, West.  
 (1541) *denticulata*, Oliv.  
 3263 2 *spratti*, Bttg.  
 3264 3 *erberi*, Frfld.  
 3265 *semidenticulata*, Pfr.  
*(Uncinaria, Vest.)*  
 (1544) *turgida* (Z.), Rossm.  
 3266 *b. virescens.*  
 3267 1 *abditata*, Kim.  
 3268 2 *bulimoidea*, West.  
 3269 3 *traxleri*, Kim.  
 3270 *procera*, Bielz.  
 (1545) *elata*, Zieg.  
 3271 *a. minor.*  
 3272 *b. major.*  
 3273 1 *viridana*, Kim.  
 3274 2 *banatica*, Parr.  
*(Strigillari, Vest.)*  
 (1547) *cana*, Held.  
 3275 3 *farta*, A. Schm.  
 3276 4 *turrita*, Cless.  
 (1550) *vetusta*, Zieg.  
 3277 3 *ventricosior*, West.  
 3278 4 *kajabaschica* (Kim.), Brancs.  
 3279 5 *intermissa*, Brancs.  
*(Cristataria, Vest.)*  
 3280 *laodicensis*, Fér.  
 3281 *davidiana*, Bgt.  
 3282 *prophetarum*, Bgt.  
 3283 *delesserti*, Bgt.  
 3284 *fauciata* (Parr), Rossm.  
 3285 *zelebori*, Rossm.  
 3286 *stussineri*, Bttg.  
 (1557) *boissieri*, Charp.  
 3287 1 *birugata* (Parr), Ch.  
 (1559) *porrecta* (Friw.), Rossm.  
 3288 1 *crebricostata*, Bgt.  
 3289 *staudingeri*, Bttg.  
*(Oligoptychia, Boettger.)*  
 3290 *brunnea* (Z.), Rossm.  
 3291 *hueti*, Mort.  
 3292 *lævicollis* (Parr), Ch.  
 3293 1 *tokatensis*, Nagele.

**Clausilia, Draparnaud.**—continued.*(Oligoptychia, Boettger.)*—continued.

- 3294 *bicarinata* (Z.), Rossm.  
 3295 1 *bichroa*, Bttg.  
 3296 *sowerbyana*, Pfr.  
 3297 1 *imperialis*, Bttg.  
 3298 *taurica*, Kryn.  
 (1564) *bicristata*, Rossm.  
 3299 *b. volensis*, Bttg.  
 3300 *c. kumensis*, Bttg.  
 3301 *d. samothracana*, Bttg.  
 3302 *eustropha*, Bttg.  
 (1567) *kephissia*, Roth.  
 (1568) 1 *pikermiana*, Roth.  
 3303 *a. cristicollis*, West.  
 3304 *rothi*, Pfr.  
 (1571) *castalia*, Roth.  
 3305 1 *crenilabris*, Bttg.  
*(Papillifera, Boettger.)*  
 (1573) *oscitans*, Fér.  
 3306 1 *pseudosyracusana*, C. Gallo.  
 3307 2 *doliolum*, Marts.  
 3308 3 *torcula*, Marts.  
 (1575) *isabellina*, Pfr.  
 3309 *a. ægina*, West.  
 (1581) *venusta*, A. Schm.  
 3310 1 *pusilla*, Bttg.  
 (1582) *thermopylarum*, Pfr.  
 3311 1 *perplana*, Bttg.  
 3312 2 *crassilabris*, Bttg.  
 (1586) *saxicola* (Parr), Pfr.  
 3313 4 *strangolia*, West.  
 3314 5 *thessala*, Bttg.  
 (1590) *negropontina*, Pfr.  
 3315 2 *hanleyana*, Pfr.  
 3316 *chelidromia*, Bttg.  
 3317 1 *gicurica*, Bttg.  
 3318 *suturalis* (Parr), Rossm.  
 3319 *clandestina* (Parr), Rossm.  
 3320 1 *dissimilis*, West.  
 3321 2 *thiesseæ*, Bttg.  
 3322 3 *patula*.  
 3323 *anguina* (Parr), Pfr.  
 (1595) *leucostigma*, Zieg.  
 3324 3 *bulimella*, Paul.  
 3325 4 *marsicana*, Tib.  
 3326 5 *vestina*, Tib.  
 (1600) *solida*, Drap.  
 3327 1 *machuriana*, Risso.  
 3328 2 *cajetana*, Rossm.

**Clausilia, Draparnaud.**—continued.*(Papillifera, Boettger.)*—continued.

- (1601) bidens, Lin.  
 3329 1 circinata, Paul.  
 3300 2 vitrea (Stentz.), Ant.  
 (1603) virgata, Jan.  
 3331 4 transitans, Paul.  
 3332 agrigentina, Bgt.  
 3333 catalonica, Fagot.  
 3334 punica, Bgt.  
*(Gracilaria, Bielz.)*  
 (1610) corynodes, Held.  
 3335 1 saxatilis (Mouss), A. Schm.  
 (1613) filograna (Z.), Mouss.  
 3336 a. polita, Kim.  
 3337 1 transsylvanica, Bielz.  
 3338 2 catarrhactæ, Bielz.  
 3339 3 grandis (Haz.), Cless.  
 3340 4 polita, Kim.  
*(Cusmicia, Brusina.)*  
 (1619) villæ, Mühlf.  
 3341 1 brembina, Strob.  
 (1623) parvula, Stud.  
 3342 a. major.  
 3343 b. minor.  
 3344 c. minima, Pfr.  
*monst. dextrorsa.*  
 3345 1 agrestis, M. Tand.  
 3346 approximans (Z.), A. Schm.  
 (1626) dubia, Drap.  
 3347 8 gobanzi (Parr), Pfr.  
 3348 9 transiniensis, Brancs.  
 3349 10 maxima, Brancs.  
 3350 11 carpathica, Brancs.  
 3351 a. minima, Brancs.  
 3352 b. costata, Brancs.  
 3353 12 fagotiana, Bgt.  
 3354 13 schlechti (Zel.), A. Schm.  
 3355 14 albicillata (Parr), West.  
 3356 15 compar (Z.), West.  
 3357 16 longobardica, Pini.  
 3358 17 alpicola, Cless.  
 3359 18 sordillii, Adams.  
 3360 19 affinis, Zgt.  
 3361 20 ambigua, Zgt.  
 3362 21 conformata, Zgt.  
 (1636) bidentata, Ström.  
 3363 4 exigua, West.  
 3364 5 elongata, Cless.  
 3365 6 maratzii, Stentz,

**Clausilia, Draparnaud.**—continued.*(Cusmicia, Brusina.)*—continued.

- 3366 7 obtusa, Parr.  
 3367 8 circinata, Paul.  
 3368 9 albida.  
 (1640) rugosa, Drap.  
 (1643) 3 crenulata, Risso.  
 3369 a. isseli, Villa.  
 3370 4 pinii, West.  
 3371 5 advena, Zieg.  
 3372 b. oceanica, Zieg.  
 (1646) cruciata, Studer.  
 3373 2 triplicata (Hn), A. Schm.  
 (1648) pumila (Z.), C. Pfr.  
 3374 1 fuscata (Parr), A. Schm.  
 3375 2 leptostoma (Parr), A. Schm.  
*(Pirostoma, Vest.)*  
 (1655) tumida (Z.), Kust.  
 3376 a. minor, Scholtz.  
 3377 1 sobrina, West.  
 (1652) ventricosa, Drap.  
 3378 2 ophthalmica, Zieg.  
 (1656) lineolata, Held.  
 (1658) 2 basileensis (Fitz.), Gred.  
 3379 b. attenuata (Z.), Rossm.  
 3380 3 mellæ, Stab.  
 (1665) plicatula, Drap.  
 3381 a. elongata, A. Schm.  
 3382 b. rusiostoma, Held.  
 3383 4 roscida (Stud.), A. Schm.  
 3384 5 inuncta (Mühlf.), Pfr.  
 3385 6 senex, West.  
 3386 7 attenuata, West.  
 3387 8 convallicola, West.  
 3388 9 alpestris, Cless.  
 3389 10 plicatulina, Pini.  
 3390 11 schwabi, Zel.  
 3391 12 vulgaris, Pini.  
 3392 13 mellæ, Marts.  
 3393 14 sororcula, de Stef.  
 (1669) latestriata (Bz.), A. Schm.  
 3394 a. minor.  
 3395 1 borealis, Bttg.  
*(Serrulina, Mouss.)*  
 (1676) serrulata (Midd.), Pfr.  
 3396 1 erivanensis, Iss.

**Fam. VI.—Stenogyridæ.****Stenogyra, Shuttleworth.**

- (1678) decollata, Lin.



**Stenogyra, Shuttleworth.**—continued.

- 3397 2 maura, Crosse.  
 3398 3 saharica, Deb.  
 3399 4 fasciolata, Bgt.

**Cionella, Jeffreys.**

(Zua, Leach.)

- (1680) lubrica, Müll.  
 3400 4 minima, Btg.  
 (Azeca, Leach.)  
 (1685) tridens, Pult.  
 3401 a. crystallina.  
 3402 monodonta, Fol. and Bér.  
 (Hypnophila, Bourguignat.)  
 3403 zakynthia, Roth.

(Ferussacia, Risso.)

- 3404 amauronia, Bourg.  
 3405 proechia, Bourg.  
 3406 oranensis, Bourg.  
 3407 montana, Bourg.  
 3408 carnea, Risso.  
 3409 microxia, Bourg.  
 (1708) gracilentia, Morel.  
 3410 a. major.  
 3411 abia, Bourg.  
 (Coelostele (Bens), Bourguignat.)

- 3412 lævigata, Bourg.  
 3413 hispanica, Bourg.  
 3414 servaini, Bourg.  
 (Howenwarthia, Bourguignat.)  
 3415 paladilhi, Bourg.

**Fam. VII.—Succineidæ.****Succinea, Draparnaud.**

- (1733) putris, Lin.  
 3416 10 bavarica, Cless.  
 3417 11 grandis, Hazay.  
 3418 12 westerlundiana, Hazay.  
 3419 13 perfecta (Haz.), Cless.  
 3420 14 charpyi, Baud.  
 3421 15 albanica, Hazay.  
 3422 stagnalis, Gass.  
 3423 ægyptiaca, Ehrbg.  
 (1746) hungarica, Hazay.  
 3424 1 hasta, Hazay.  
 (1748) elegans, Risso.  
 3425 5 strepholena, Bourg.  
 3426 6 baudoniana, Pini.  
 (1754) debilis (Morel), Pfr.  
 3427 a. virescens, Morel.  
 3428 martensiana, Noll.

**Succinea, Draparnaud.**—continued.

- 3429 hordacea, Jouss.  
 3430 dupuyana, Bourg.  
 (1755) pfeifferi, Rossm.  
 3431 7 intricata, Paul.  
 3432 8 brevispirata, Baud.  
 3433 9 microstoma, Cless.  
 3434 10 diphya, West.  
 3435 lutetiana, Mab.  
 (1766) arenaria, Bouch.  
 3436 1 brachya, Bourg.

**Sub-Order II.—Hygrophila, Fer.****Fam. I.—Auriculidæ.****Carychium, Müller.**

- (1769) minimum, Müll.  
 3437 1 inflatum, Hartm.  
**Zospeum, Bourguignat.**  
 3438 schmidti, Frfld.  
 (1776) reticulatum, Hauffen.  
 3439 1 bidentata, Hauff.

**Fam. II.—Limnoidæ.****Amphipeplea, Nilsson.**

- (1780) glutinosa, Müll.  
 3440 1 anceyi, Bourg.

**Limnæa (Brug.), Rang.**

- (1781) stagnalis, Lin.  
 3441 6 raphidia, Bourg (= subula, Parr.)  
 3442 7 vulgaris, West.  
 3443 8 ampliata, Cress.  
 3444 9 producta, Colbean.  
 3445 10 palustriformis, Kobelt.  
 3446 11 fucinensis, Paul.  
 3447 12 turgida, Menke.  
 3448 13 borealis, Bourg.  
 3449 14 angulosa, Cless.  
 (1785) 4 lacustris, Studer.  
 3450 1 bodamica, Cless.  
 3451 15 bottnica, Cless.  
 3452 16 baltica, Lindstr.  
 (1787) auricularia, Lin.  
 3453 2 canalis, Villa.  
 3454 3 contracta, Cless.  
 3455 4 cærulea, Cless.  
 3456 tumida, Held.  
 (1790) mucronata, Held.  
 3457 2 rubella, Cless.



**Limnæa (Brug.), Rang.**—continued.

- 3458 3 alpestris, Cless.  
 (1793) lagotis, Schr.  
 3459 4 attica, Roth.  
 3460 5 anderssoni, Cless.  
 (1797) ovata, Drap.  
 3461 8 fontinalis, Stud.  
 3462 9 marginata, Mich.  
 3463 10 patula, Da Cost.  
 3464 11 sericata, West.  
 3465 12 amnicola, West.  
 3466 13 succinea, Nilss.  
 (1807) peregra, Müll.  
 3467 23 peregro-ovata, Rossm.  
 3468 24 apricencis, Ad.  
 3469 25 excerpta, Hn.  
 3470 26 alpicola, West.  
 3471 27 ambigua, West.  
 3472 28 blauneri, Sh.  
 3473 29 fulva (Z.), F. Schm.  
 3474 30 meta, West.  
 (1820) (13) nivalis, Pini.  
 3475 1 glacialis, Pini.  
 3476 31 microstoma, Kobelt.  
 3477 32 brandisi, Brancs.  
 3478 33 diaphana, Zieg.  
 3479 34 anomala, Cless.  
 3480 35 rimata, Bra.  
 3481 36 solidula, Hartm.  
 3482 37 nitida, Zieg.  
 3483 38 æthiopica, De Betta.  
 impura, Trosch. (type not in coll.)  
 3484 1 oxiana, Bttg.  
 (1830) palustris, Müll.  
 3485 7 pellucida, Roff.  
 3486 8 fallaciosa, Roff.  
 3487 9 maritima, Cless.  
 (1837) turricola, Held.  
 3488 1 transsylvanica, Kim.  
 (1844) truncatula, Müll.  
 3489 3 maximella, Colb.  
 3490 4 microstoma (Drt.), Baud.  
 3491 *monst. subangulata*, Bofill.

**Planorbis, Guettard.**

- (1849) corneus, Lin.  
 3492 1 etruscus, Bourg.  
 3493 2 tacitanus (Let.), Serv.  
 3494 stenostoma, Bourg.  
 (1853) metidjensis, Forbes.  
 (1854) 1 dufouri, Graills.

**Planorbis, Guettard.**—continued.

- 3495 *a. algerica*, Bourg.  
 3496 2 aclopus, Bourg.  
 3497 boissyi, Pot. and Mich.  
 (1855) umbilicatus, Müll.  
 3498 *d. subcarinatus*, Kobelt.  
 3499 3 arethusæ, Cless.  
 (1861) vortex, Lin.  
 3500 2 compressus, Mich.  
 3501 3 discoides, Reinh.  
 (1868) leucostoma, Mill.  
 3502 *b. perizii* (Graëlls), Dup.  
 3503 dazuri, Mörch.  
 3504 *a. hazayana*, Cless.  
 (1871) albus, Müll.  
 3505 *a. hispidus*, Drap.  
 3506 socius, West.  
 3507 arcticus, Beck.  
 3508 brondeli, Raym.  
 3509 janinensis, Mouss.  
 3510 ehrenbergi, Beck.  
 3511 thermalis, West.  
 3512 devians, Porro.  
 3513 euphæus, Bourg.  
 (1888) nitidus, Müll.  
 3514 1 distinguendus, Gredl.  
 3515 alexandrinus, Ehrbg.

**Ancylus, Geoffroy.**

- (1891) fluviatilis, Müll.  
 3516 *a. fabraei*, Dup.  
 3517 *b. riparia*, Desmarest.  
 3518 4 meridionalis, Bk.  
 3519 5 westerlundi, Cless.  
 3520 epipedus, Bourg.  
 3521 striatus, Gu. and Gain.  
 3522 vitraceus, Morel.  
 (1900) pileolus, Fér.  
 3523 1 tinei, Bourg.

**Fam. III.—Physidæ.****Physa, Draparnaud.**

- (1902) fontinalis, Lin.  
 3524 1 bulla, Müll.  
 3525 2 coronadei, Serv.  
 (1903) acuta, Drap.  
 3526 3 mamotica, Gulia.  
 3527 4 gibbosa, Moq. Tand.  
 3528 achajæ, West.  
 (1907) contorta, Mich.  
 3529 1 brochii, Ehrbg.

**Physa, Draparnaud.**—continued.

- 3530 2 truncata, Fér.  
 3531 3 cyanea, Ben.  
 3532 4 aradæ, Ben.  
 3533 fors kali, Ehrbg.

**Order II.—Prosobranchiata.***Sub-Order I.—Pectinibranchiata.**TÆNIOGLOSSA.**Fam. I.—Acmidæ.***Acme, Hartmann.**

- (1912) lineata, Hartmann.  
 3534 a. alba.  
 3535 moutoni, Dup.

*Fam. II.—Cyclostomidæ.***Pomatias, Studer.**

- (1917) scalarinus, Villa.  
 3536 1 schmidti (De Betta), West.  
 3537 oostoma, West.  
 (1922) striolatus, Porro.  
 3538 1 dephilippi, Pini.  
 (1935) partioti, Moq. Tand.  
 3539 1 crosseanus, St. Simon.  
 3540 martorelli (B.), Serv.  
 (1935) septemspiralis, Raz.  
 3541 2 gardensis, Pini.  
 3542 3 bosniacus, Bttg.  
 (1940) auritus (Z.), Rossm.  
 3543 1 chelys, West.  
 3544 2 meridionalis, Bttg.  
 3545 achaiacus, Bttg.  
 3546 coreyrensis, West.  
 (1941) tessellatus, Wiegman.  
 3547 1 griseus, Mouss.  
 3548 pontebbanus, Stoss.  
 3549 henoni, Bourg.  
 3550 tunetanus, Let. and Bourg.  
 3551 perseianus, Kobelt.  
 3552 1 ziguensis, Kobelt.  
 3553 atlanticus (Let.), Bourg.  
 3554 rugosus, Cless.  
 3555 tortivus, West.  
 3556 banaticus (Fag.), West.  
 3557 subalpinus, Pini.  
 3558 valsabinus, Pini.  
 3559 stabilei, Pini.

**Pomatias, Studer.**—continued.

- 3560 reconditus, Pini.  
 3561 sospes, West.  
 3562 alleryanus, Paul.  
 3563 sardous (Maltz), West.  
 (1961) philippianus, Gredl.  
 3564 1 pachystoma, Gredler.  
 (1963) henricæ, Strob.  
 3565 1 glaucina, Gredl.  
 3566 stossichi, Cless.  
 3567 gronovianus, Stoss.  
 3568 liburnicus, Hirc.  
 3569 montserraticus, Bourg.  
 3570 montsicci, Fagot.  
 3571 nogueræ, Fagot.  
 3572 pachycheilus, West.  
 3573 pechaudi, Bourg.  
 3574 prevaldianus, Stoss.

**Cyclostoma, Draparnaud.**

- (1970) sulcatum, Drap.  
 3575 3 ischuraulaxum, Fagot.  
 3576 a. candidum, Fagot.  
 3577 4 siculum, Sow.  
 3578 lutetianum, Bourg.  
 3579 scrobiculatum, Mouss.

*Sub-Order II.—Hydrophila.**Fam. I.—Paludinidæ.***Paludina, Lamarck.**

- 3580 acerosa, Bourg.  
 3581 unicolor, Oliv.  
 (1981) vivipara, Lin.  
 3582 1 pyramidata, Rossm.

**Cleopatra, Troschel.**

- (1986) bulimoides, Oliv.  
 3583 1 vexillata (Parr), Marts.  
 3584 verreuxiana, Bourg.  
 3585 1 ægyptiaca (Mühlf.), West.

*Fam. II.—Bythinidæ.***Bythinia, Leach.**

- (1993) leachi, Sheppard.  
 3586 1 italica, Paul.  
 3587 villæ, Sandr.  
 3588 adriatica, Let.  
 3589 goryi, Bourg.  
 3590 mostarensis, Mlildf.  
 (2001) rubens, Mouss.  
 3591 1 anapensis, Ben.  
 3592 sennarica (Parr), Kust.

*Fam. III.—Rissoideæ.***Paludinella, Rossmassler.***(Lartetia, Bourguignat.)*

- 3593 charpyi, Pal.  
duveyrieri, Bourg.

3594 diaphana, Mich.

3595 1 vitrea, Dup.

*(Hydrobia, Hartmann.)*

3596 musaensis, Frfld.

3597 montenegrina, Frfld.

3598 steini, Marts.

3599 peracuta, Pal.

3600 conoidea, Reyn.

3601 ortigia, Ben.

3602 brondeli, Bourg.

3603 oranensis, Bourg.

3604 jenkinsi, E. Smith.

3605 1 carinata, E. Smith.

(2012) aponensis, Marts.

3606 1 foxianensis, de Stef.

3607 maxima, Dybowski.

3608 peraudieri, Bourg.

3609 acerosa, Bourg.

*(Peringia, Paladilhe.)*

3610 girardoti, Pal.

*(Belgrandia, Bourguignat.)*

3611 cazioti (Nic.), West.

(2020) thermalis, Lin.

3612 1 minuta, Paul.

3613 controversa (Paul), Del. Pret.

3614 sequanica (Bourg.), Pal.

*(Moilessieria, Bourguignat.)*

3615 simoniana, Ch.

*(Maresia, Bourguignat.)*

3616 dolichia, Bourg.

**Paludinella, Mouss.***(Bythinella, Moq. Tandon.)*

3617 carinulata, Drt.

3618 subovata, Pal.

3619 chilodia, West.

3620 solidula, Brancs.

(2034) opaca (Z.), Frfld.

3621 1 isseli, Gentilh.

3622 epirotica, Bttg.

(2040) lacheineri (Ch.), Kust.

3623 3 apfelbecki, Brancs.

3624 croatica (Cl.), Hirc.

3625 redoubi, Bourg.

3626 punica, Let. and Bourg.

3627 challameliana, Bourg.

**Paludinella, Mouss.—continued.***(Bythinella, Moq. Tandon.)—continued.*

3628 rubiginosa, Boubée.

3629 sorgica, Cont.

(2051) schmidt (Ch.), Kust.

3630 3 vitrea, Auct. plur.

3631 alta, Cless.

3632 1 bavarica, Cless.

3633 lata, Frfld.

3634 microcochlia, Let. and Bourg.

3635 robici, Cless.

3636 turgidula, Pal.

*(Pseudamnicola, Paul.)*

3637 spirata, Pal.

3638 compacta, Pal.

3639 melitensis, Pal.

3640 siculina, Ben.

3641 virescens, Kust.

3642 valvatieformis, Mildf.

3643 pycnocheilia, Bourg.

3644 constantinæ, Let.

3645 pomariensis, Let.

3646 picnolena, Bourg.

3647 lutea, Bourg.

3648 pygmæa, Mich.

3649 lininoides, Paul.

3650 benoiti, Marts.

3651 fusca, Marts.

3652 globulinus, Marts.

3653 raddei, Bttg.

**Lithoglyphus, Mühlfort.**

(2077) naticoides (Fér), C. Pfr.

3654 2 berolinensis, West.

(2079) fluminensis (Sadler), Schm.

3655 1 sadlerianus (Schm.), Hauff.

**Emmericia, Brusina.**

(2086) patula, Brum.

3656 b. scalaris, Neum.

3657 mostariensis, Stoss.

3658 montenegrina (Let.), Bourg.

3659 fluminensis, Stoss.

*Fam. IV.—Melanidae.***Melania, Lamarck.**

(2094) holandre, Fér.

3660 6 semiplicata, Brus.

3661 7 pilariana, Bourg.

3662 8 thessala, Bttg.

3663 9 letourneuxi, Bourg.

3664 crassa, Kutsch.



**Melanopsis, Férussac.**

- (2100) acicularis, Fér.  
 3665 2 aciculella (Z.), Schm.  
 3666 3 peracuta, Bourg.  
 3667 4 stossichiana, Bourg.  
 3668 5 biharensis (Haz.), Cless.  
 (2102) esperi, Fér.  
 3669 2 pfeifferi, Bourg.  
 (2104) proemorsa, Lin.  
 3670 1 sphæroidea, Bourg.  
 3671 2 saharica, Bourg.  
 (2112) costata, Olivi.  
 3672 2 moraldi, Ziegl.  
 3673 3 irregularis, Mouss.  
 3674 kotschiyi (v.d. Buck), Phil.  
 3675 stussineri, Bttg.  
 guiraoi, Bourg. (type not in coll.)  
 3676 1 scalaris, Gass.  
 3677 hammanensis, Gass.  
 3678 maresi, Bourg.  
 3679 tunetana, Morel.

**Fam. V.—Valvatidæ.****Valvata, Müller.**

- 3680 lacustris, Cless.  
 (2128) piscinalis, Müll.  
 3681 1 kliniensis, Milasch.  
 3682 discors, West.  
 3683 obtusa, Studer.  
 3684 depressa, C. Pfr.  
 3685 naticina, Menke.  
 3686 umbilicata, Fitz.  
 3687 pulchella, Studer.  
 (2136) cristata, Müll.  
 3688 1 spirorbis, Drap.

**Sub-Order II.—Scutibranchiata.****Rhipidoglossa.****Fam. Neritinidæ.****Neritina, Lamarck.**

- (2139) jordani, Sow.  
 3689 2 turris, Mouss.  
 (2141) anatolica, Recluz.  
 3690 b. hausknechti, Marts.  
 (2148) fluviatilis, Lin.  
 (2150) 2 littoralis, Bk.  
 3691 a. baltica, Bk.  
 3692 11 transversalis (Z.), C. Pfr.  
 3693 a. castanea, Zeleb.

**Neritina, Lamarck.—continued.**

- 3694 12 anapensis, Marts.  
 3695 13 bourguinati, Recluz.  
 (2163) meridionalis, Phil.  
 3696 b. lutescens, Mühlf.  
 3697 syriaca, Bourg.  
 3698 a. ledereri, Zel.

**Class II.—PELECYPODA.****Order I.—Tetrabranchia.****Sub-Order.—Submytilacea.****Fam. Unionidæ.****Unio, Retzius.**

- 3699 auricularis, Speng.  
 3700 letourneuxi, Bourg.  
 3701 kochi, Kobelt.  
 3702 oriliensis, Stab.  
 3703 vicarius, West.  
 3704 desectus, Drt.  
 3705 gangrenosus (Z.), J. F. Schm.  
 3706 mancus, Lam.  
 3707 macrorhynchus, Bourg.  
 3708 brianteus, Pini.  
 3709 blaunera, Stab.  
 3710 vulgaris, Stab.  
 3711 falsus, Bourg.  
 3712 larius, Drt.  
 3713 proechus, Bourg.  
 3714 jonicus, Bl.  
 3715 aradasi, Phil.  
 3716 villæ, Stab.  
 3717 turtoni, Payr.  
 3718 borcherdingi, Bourg.  
 3719 tristrami, Loc.  
 3720 eucirrus, Bourg.

**Anodonta, Cuvier.**

- 3721 delpretii, Bourg.  
 3722 moulinsiana, Dup.  
 3723 balatonica, Serv.  
 3724 sturmi, Bourg.  
 3725 alseria, Drt.  
 3726 potiezi, Bourg.  
 3727 pachyproktus, Borcherd.  
 3728 microptera, Borcherd.

**Spatha, Lea.**

- 3729 caillaudi, Martens.

*Sub-Order.—Conchacea.*

*Fam. Cyrenidæ.*

- Corbicula**, Mühlfeldt.  
 3730 ægyptiaca, Bourg.  
**Sphærium**, Scopoli.  
 3731 ovale, Fér.  
 3732 wildi, Cless.  
 3733 mamillatum, West.  
 3734 duplicatum, Cless.  
 3735 westerlundi, Cless.  
 3736 brochonianum, Bourg.  
 3737 1 deshaysianum, Haz.

**Pisidium**, C. Pfeiffer.

- (2292) nitidum, Jeff.  
 3738 1 splendeus, Jeff.  
 (2294) fontinale, C. Pfr.= fossarinum, Cless.  
 3739 1 areolatum, Cless.  
 (2297) casertanum, Poli.  
 3740 1 australe, Phil.  
 3741 2 gassiesianum, Dup.  
 3742 3 cinereum, Alder.  
 3743 sordillianum, Cless.  
 3744 ovatum, Cless.  
 3745 pallidum, Gass.  
 3746 subtruncatum, Malm.  
 3747 1 cuneatum, Bielz.

# MOLLUSCA OF THE MADEIRAN PROVINCE.

## SUPPLEMENT.

**Class.—GASTEROPODA.**

**Order.—Pulmonata.**

*Sub-Order I.—Geophila.*

*Fam. I.—Limacidæ.*

- Limax**, Linné.  
 (51) gagates, Drap.  
**Arion**, Férussac.  
 (170) ater, Lin.  
**Vitrina**, Draparnaud.  
 3748 brumalis, Morel.  
 3749 brevispira, Morel.  
**Hyalinia**, Agassiz.  
 3750 circumcessa, Shutt.

*Fam. II.—Helicidæ.*

**Helix**, Linné.

- (Campylæa, Beck.)  
 (2318) portosanctana, Sow.  
 3751 1 cimensis, Woll.  
 (Cryptaxis, Lowe.)  
 3752 vulcanica, Lowe.

**Helix**, Linné.—continued.

- (Leptaxis, Lowe.)  
 (2332) erubescens, Lowe.  
 3753 2 advenoides, Paiva.  
 3754 azorica, Albers.  
 (Hemicycla, Sowerby.)  
 3755 guanartenes, Grass.  
 3756 malleata, Fér.  
 3757 glasiana, Shutt.  
 (Plebecula, Lowe.)  
 (2350) nitidiuscula, Sow.  
 3758 1 hartungi, Albers.  
 (Placentula, Lowe.)  
 3759 tæniata, Webb and Bar.  
 3760 micromphala, Lowe.  
 (Gonostoma, Lowe.)  
 3761 fortunata, Shutt.  
 (Hystericella, Lowe.)  
 3762 leacockiana, Woll.  
 (Discula, Lowe.)  
 (2393) polymorpha, Lowe.  
 3763 8 arenicola, Lowe.  
 (Coronaria, Lowe.)  
 3764 watsoni, J. Y. Johnson.

**Helix, Linné.**—continued.*(Lemniscia, Lowe.)*

- 3765 tumulorum, Webb and Bar.  
 3766 woodwardia (Tern.), Mouss  
 3767 monilifera, Webb and Bar.

*Fam. III.—Pupidae.***Bulimus, Scop.**

- 3768 sancta-marionus, Morel.  
 3769 hartungi, M. and D.  
 3770 delibutus, M. and D.  
 3771 guerreanus, Grass.  
 3772 variatus, Webb and Bar.  
 3773 myosotis, Webb and Bar.  
 3774 propinquus, Shutt.  
 3775 bæticatus, Fér.  
 3776 tarnerianus, Grass.  
 3777 tabidus, Shutt.  
 3778 anaga, Grass.  
 3779 obesatus, Fér.  
 3780 bertheloti, Pfeiff.  
 3781 consecrans, Mouss.

**Pupa, Drap.***(Gibbulina, Beck.)*

- 3782 dealbata, Webb and Bar.

**Pupa, Drap.**—continued.*(Scarabella, Lowe.)*

- 3783 cassida, Lowe.  
*(Liostyla, Lowe.)*  
 3784 fuscidula, Morel.  
 3785 fasciolata, Morel.  
 3786 tessellata, Morel.  
*(Craticula, Lowe.)*  
 3787 vermiculosa, Morel.

*Sub-Order II.—Hygrophila.**Fam. Limnæidæ.***Limnæa, Drap.**

- (1787) auricularia, Lin.  
 3788 5 ribeirensis, Beib.

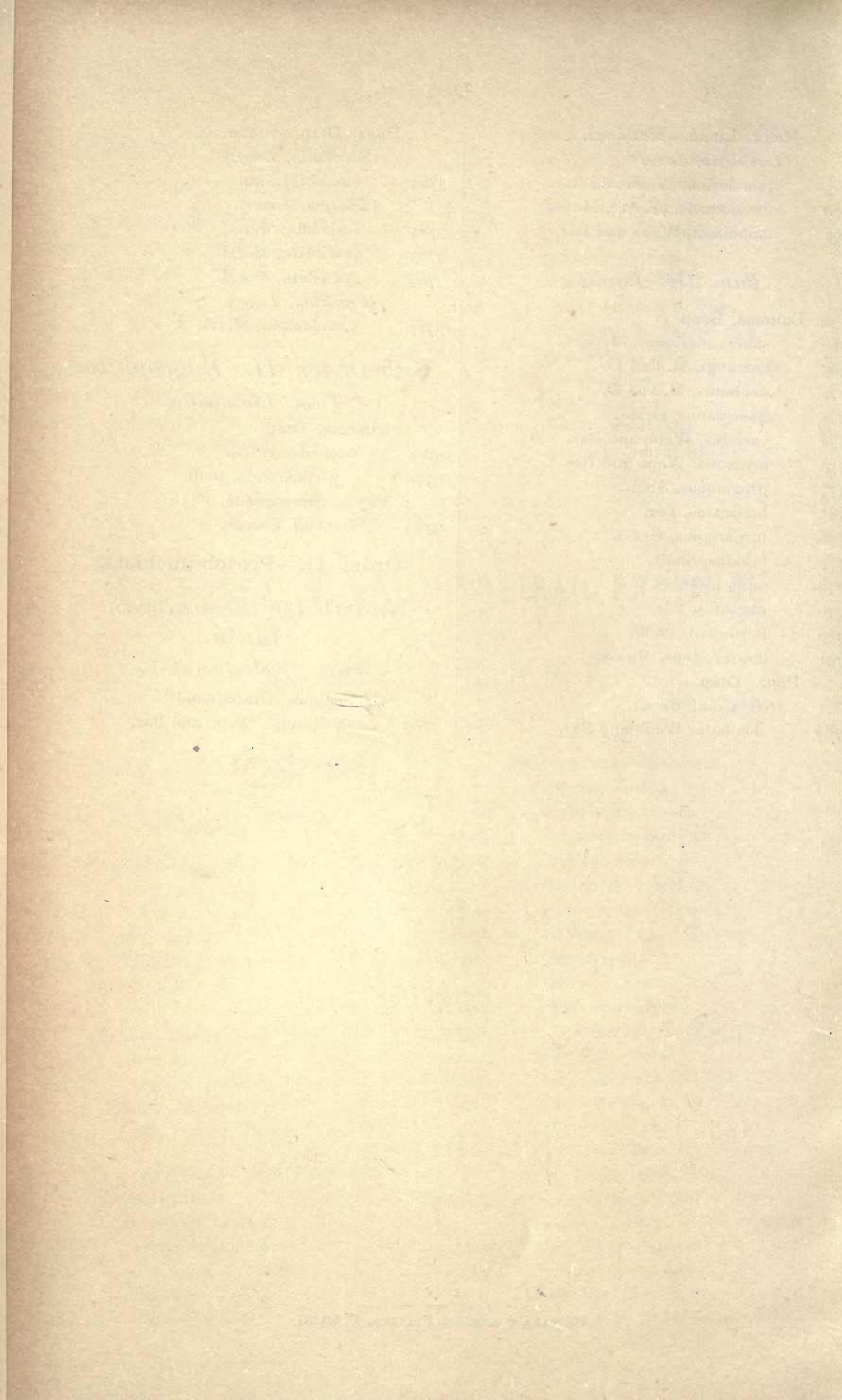
**Physa, Draparnaud.**

- 3789 forskali, Ehrenb.

**Order II.—Prosobranchiata.***Sub-Order Pectinibranchiata.**Fam. Cyclostomatidæ.***Cyclostoma, Draparnaud.**

- 3790 lævigatum, Webb and Bar.











With the Compiler's Compliments.

# MUSEUM NORMANIANUM,

OR

## A Catalogue of the Invertebrata

OF

Europe, and the Arctic and North Atlantic Oceans,

WHICH ARE CONTAINED IN THE COLLECTION OF THE

REV. CANON A. M. NORMAN,

M.A., D.C.L., F.R.S., F.L.S., &c.

---

VII. SPONGOZOA.  
VIII. RHIZOPODA.

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PRINTED FOR PRIVATE DISTRIBUTION.

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89—536.—Marine species (Reticularia or Foraminifera).

\* This word has been employed in a somewhat different sense ; but I use it as an appropriate name for a section of the Cœlenterata, which embraces as other sections the Actinozoa and Hydrozoa.

## PREFATORY NOTES.

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The North Atlantic is here regarded as limited by lat.  $35^{\circ}$  N., or as extending a little to the South of the Strait of Gibraltar on the Eastern and to about Cape Hatteras on the Western side.

All the Sponges of the following lists were found within the area thus embraced, but some of the Foraminifera are from the more tropical parts of the Atlantic, these are indicated by an (\*) placed before the number. Most of them may, however, be expected to be found hereafter North of lat.  $35^{\circ}$  on the Western side of the Atlantic.

The nomenclature of the Sponges is at present in deplorable confusion. To properly synonymize the species of the following lists would require years to be devoted to their examination and study. Moreover, since the value of the present collection consists in the fact that almost all the representatives in it are types or portions of types, and on this account most important for future reference, I have retained throughout the nomenclature of the respective describers, who have named the species.

The British Calcareae, collected by myself, were used both by Dr. Bowerbank and by Prof. Haeckel in the preparation of their works; and the Siliceous Sponges all passed through the hands of the former, and are for the most part mentioned in his monograph, while a large number of them are, at the present time, unique types. The remaining portion of this collection embraces specimens or sections and mountings of the spicula of types for which I am indebted to almost every author who has written on the Sponge-fauna of the Atlantic and Arctic oceans.

I shall be much obliged to any naturalists who can in the future help to extend the collection in a similar manner, and to whom in return I shall be glad to send specimens or mountings of types. It will be seen that this collection is very rich in Northern Sponges, but there are about one hundred described Mediterranean species absent from it, nor have I those European freshwater forms, which are not found in England.

The freshwater Rhizopoda have all been received from M. Penard, and I have therefore thought it best strictly to follow the nomenclature of his work, "*Etudes sur les Rhizopodes d'eau douce*, 1890."

The marine Rhizopoda, or Foraminifera, are named in accordance with the great work on the "Challenger" Foraminifera by my late lamented friend, Dr. H. B. Brady. They are partly the product of my own dredgings carried out on almost every part of the coast of our islands, and of excursions during four summers to Norway and Finmark; and partly the results of the examination of material kindly supplied to me from the "Porcupine," "Knight Errant," "Triton," "Valorous," and "Challenger" expeditions. A few species have been added by the kindness of friends, chiefly by the late Dr. H. B. Brady, Mr. Joseph Wright, and the Royal Museum of Stockholm (Dr. Goës).

The Atlantic and Arctic Foraminifera are very fully represented, but I have very few forms from the Mediterranean, in which sea, indeed, they have been little studied, while the species of the North-East American coast have not as yet received any attention.

Letters should be addressed—

BURNMOOR RECTORY,  
FENCE HOUSES,  
CO. DURHAM.

---

Catalogues already published :—

- { I.—ECHINODERMATA.
- { II.—PANTOPODA.
- III.—CRUSTACEA.
- { IV.—MOLLUSCA MARINA.
- { V.—BRACHIOPODA.
- VI.—MOLLUSCA TERRESTRIA ET FLUVIATILIA.

June 1, 1892.



# MUSEUM NORMANIANUM.

## VII.—SPONGOZOA (= PORIFERA).

### I.—Order—CALCAREA.

In the following Calcarea the appended letters mean :—

*B.*—British specimens first determined by Dr. Bowerbank, and secondly used and referred to by Prof. Haeckel in his monograph.

*C.*—Specimens received from the Copenhagen Museum.

*H.*—Specimens received from Prof. Haeckel.

*Han.*—Mounting of Spicules received from Mr. Hanitsch.

*N.*—Specimens received from the Zoological Station, Naples.

*S.*—Specimens received from Prof. O. Schmidt.

#### *Fam. I.—Ascones.*

##### *Ascetta*, Haeckel.

- 1 *primordialis*, Haeckel *Z.*
- 2 *coriacea*, Mont. *B.H.*
- 3 *clathrus*, O. Schmidt *H.N.*
- 4 *blanca*, Haeckel *N.*

##### *Ascaltis*, Haeckel.

- 5 *botryoides*, Ell. and Sol. *B.*
- 6 *cerebrum*, Haeckel *H.*

##### *Ascortis*, Haeckel.

- 7 *lacunosa*, Bean. *B.*

##### *Ascandra*, Haeckel.

- 8 *reticulum*, O. Schmidt *S.*
- 9 *contorta*, Bow. *B.*
- 10 *complicata*, Mont. *B.*
- 11 *botrys*, Haeckel *B.*
- 12 *variabilis*, Haeckel *B.H.*

#### *Fam. II.—Leucones.*

##### *Leucaltis*, Haeckel.

- 13 *pumila*, Bow. *B.*
- 14 *solida*, O. Schmidt *H.N.*

- 15 *impressa*, Hanitsch *Han.*

##### *Leucandra*, Haeckel.

- 16 *Egedii*, Haeckel *C.*
- 17 *Gossei*, Bow. *B.*
- 18 *crambessa*, Haeckel *H.*
- 19 *aspera*, O. Schmidt *H.N.*
- 20 *fistulosa*, Johnst. *B.*
- 21 *ananas*, Mont. *B.*
- 22 *nivea*, Grant *B.H.*
- 23 *Johnstoni*, Carter *B.*
- 24 *stiligera*, Haeckel *C.*

#### *Fam. III.—Sycones.*

##### *Sycortis*, Haeckel.

- 25 *quadrangulata*, O. Schmidt *B.*

##### *Sycandra*, Haeckel.

- 26 *ciliata*, O. Fab. *B.H.*
- 27 *raphanus*, O. Schmidt *H.N.*
- 28 *capillosa*, O. Schmidt *S.*
- 29 *elegans*, Bow. = *tessellata*, Bow. *B.H.N.*
- 30 *hystrix*, Haeckel *N.*
- 31 *utriculus*, O. Schmidt *B.*
- 32 *villosa*, Haeckel *B.*
- 33 *arctica*, Haeckel *C.*
- 34 *glabra*, O. Schmidt = *ensata*, Bow. *B.H.N.*
- 35 *compressa*, O. Fab. *B.*

Poléjaeff, in his report on the Calcarea of the "Challenger" expedition, would place the whole of the *Ascones* of the preceding list in the genus *Leucosolenia*, Bow.; the whole of the *Leucones* in *Leuconia*, Bow.; *Sycandra compressa* in *Grantia*, Fleming; *Sycandra glabra* in *Ute*, O. Schmidt, and the remaining *Sycandrae* and *Sycortis* in *Sycon*, Risso. R. von Lindenfeld, in his work just published, "Die Spongien der Adria," distributes the Calcarea in twenty-one genera.

## II.—BRITISH SPONGES.

(Bowerbank's nomenclature.)

### Order—Silicea.

#### **Pachymatisma, Bowerbank.**

36 Johnstonia, Bow.

#### **Normania, Bowerbank.**

37 crassa, Bow.

#### **Ecionemia, Bowerbank.**

38 compressa, Bow.

39 ponderosa, Bow.

#### **Polymastia, Bowerbank.**

40 robusta, Bow.

41 brevis, Bow.=Quasillina brevis,  
Norman.

42 spinula, Bow.

43 mamillaris, Müll.

44 conigera, Bow.

#### **Ciocalyptra, Bowerbank.**

45 penicillus, Bow.

#### **Tethya, Lamarck.**

46 cranium, Müll.

47 Collingsii, Bow.

48 Schmidtii, Bow.

49 lyncurium, Lin.

50 spinularia, Bow.

#### **Halicnemia, Bow.**

51 patera, Bow.

#### **Dictyocylindrus, Bow.**

52 stuposus, Mont.

53 ramosus, Mont.

54 radiosus, Bow.

55 Howsei, Bow.

56 hispidus, Mont.

57 aculeatus, Bow.

58 fascicularis, Bow.

59 virgulosus, Bow.

60 pumilus, Bow.

61 rugosus, Bow.

62 rectangulus, Bow.

#### **Phakellia, Bow.**

63 robusta, Bow.

64 ventilabrum, Lin.

#### **Microciona, Bow.**

65 fictitia, Bow.

66 Kentii, Bow.

67 tumulosa, Bow.

68 simplicissima, Bow.

69 fallax, Bow.

70 armata, Bow.

#### **Microciona, Bow.—continued.**

71 ambigua, Bow.

72 plumosa, Mont.

73 atrasanguinea, Bow.

#### **Hymeraphia, Bow.**

74 vermiculata, Bow.

75 clavata, Bow.

76 stellifera, Bow.

77 simplex, Bow.

78 coronula, Bow.

#### **Hymedesmia, Bow.**

79 occulta, Bow.

80 radiata, Bow.

81 indistincta, Bow.

82 pansa, Bow.

83 pilata, Bow.

84 pulchella, Bow.

85 stellata, Bow.

86 simplicissima, Bow.

87 tenuicula, Bow.

88 zetlandica, Bow.

#### **Hymeniacion, Bow.**

89 albescens, Johnst.

90 Thomasii, Bow.

91 coccineus, Bow.

92 perarmatus, Bow.

93 membrana, Bow.

94 firmus, Bow.

95 placentula, Bow.

96 armiger, Bow.

97 Brettii, Bow.

98 fragilis, Bow.

99 reticulatus, Bow.

100 fallaciosus, Bow.

101 tegeticula, Bow.

102 solidus, Bow.

103 perlævis, Mont.

104 crustula, Bow.

105 caruncula, Bow.

106 sanguineus, Grant.

107 mammeatus, Bow.

108 consimilis, Bow.

109 macilentus, Bow.

110 fallax, Bow.

111 virgulosus, Johnst.

112 radiosus, Bow.

113 medius, Bow.

114 virgulatus, Bow.

115 viridans, Bow.

116 aureus, Mont.

**Hymeniacion, Bow.—continued.**

- 117 callosus, Bow.
- 118 plumiger, Bow.
- 119 subereus, Mont.
- 120 carnosus, Johnst.
- 121 gelatinosus, Bow.
- 122 ficus, Johnst.
- 123 sulphureus, Bean.
- 124 celatus, Grant.
- 125 claviger, Bow.
- 126 tenebrosus, Bow.
- 127 paupertas, Bow.
- 128 Dujardinii, (Johnst. ?) Bow.

**Battersbyia, Bow.**

- 129 Bucklandi, Bow.

**Halichondria, Fleming.**

- 130 caduca, Bow.
- 131 inconspicua, Bow.
- 132 incerta, Bow.
- 133 coalita, Grant.
- 134 mutulus, Bow.
- 135 cylindracea, Bow.
- 136 panicea, Pallas.
- 137 angulata, Bow.
- 138 edusa, Bow.
- 139 ambigua, Bow.
- 140 Robertsoni, Bow.
- 141 condensa, Bow.
- 142 coralloides, Bow.
- 143 Thompsoni, Bow.
- 144 forceps, Bow.
- 145 simplex, Bow.
- 146 subdola, Bow.
- 147 foliata, Bow.
- 148 corrugata, Bow.
- 149 falcula, Bow.
- 150 flabelligera, Bow.
- 151 incrustans, Esper.
- 152 candida, Bow.
- 153 Dickiei, Bow.
- 154 Pattersoni, Bow.
- 155 pulchella, Bow.
- 156 Ingalli, Bow.
- 157 scandens, Bow.
- 158 nigricans, Bow.
- 159 expansa, Bow.
- 160 virgea, Bow.
- 161 granulata, Bow.
- 162 farinaria, Bow.

**Isodictya, Bow.**

- 163 cinerea, Grant.
- 164 permollis, Bow.
- 165 mammeata, Bow.
- 166 ramusculus, Bow.
- 167 ferula, Bow.
- 168 rosea, Bow.
- 169 pygmæa, Bow.
- 170 obscura, Bow.
- 171 indefinita, Bow.
- 172 indistincta, Bow.
- 173 simplex, Bow.
- 174 pocillum, Bow.
- 175 luteosa, Bow.
- 176 Peachii, Bow.
- 177 varians, Bow.
- 178 elegans, Bow.
- 179 fallax, Bow.
- 180 MacAndrewii, Bow.
- 181 fistulosa, Bow.
- 182 perplexa, Bow.
- 183 densa, Bow.
- 184 pallida, Bow.
- 185 simulans, Johnst.
- 186 Ingalli, Bow.
- 187 incerta, Bow.
- 188 crassa, Bow.
- 189 Bowerbanki, Norman.
- 190 pauperata, Bow.
- 191 clava, Bow.
- 192 jugosa, Bow.
- 193 palmata, Johnst.
- 194 trunca, Bow.
- 195 infundibuliformis, Lin.
- 196 dissimilis, Bow.
- 197 invalida, Bow.
- 198 Normani, Bow.
- 199 coriacea, Bow.
- 200 hispida, Bow.
- 201 fucorum, Johnst.
- 202 Alderi, Bow.
- 203 Edwardii, Bow.
- 204 paupera, Bow.
- 205 uniformis, Bow.
- 206 Clarkii, Bow.
- 207 Barleei, Bow.
- 208 laciniosa, Bow.
- 209 dubia, Bow.
- 210 nodosa, Bow.
- 211 involuta, Bow.



**Isodictya, Bow.—continued.**

- 212 pertenuis, Bow.  
 213 scitula, Bow.  
 214 collina, Bow.  
 215 funalis, Bow.  
 216 Hyndmanni, Bow.  
 217 lurida, Bow.  
 218 fimbriata, Bow.  
 219 implicita, Bow.  
 220 inæqualis, Bow.

**Raphiodesma, Bowerbank.**

- 221 floreum, Bow.  
 222 lingua, Bow.  
 223 simplicissimum, Bow.  
 224 sordidum, Bow.  
 225 fallaciosum, Bow.  
 226 intermedium, Bow.

**Spongilla, Linné.**

- 227 fluviatilis, Pallas.  
 228 Parfitti, Carter.  
 229 lacustris, Donovan.

**Desmacidon, Bowerbank.**

- 230 fruticosus, Mont.  
 231 Jeffreysii, Bow.=*Oceanapia* Jeffreysi,  
     Norman.  
 232 constrictus, Bow.  
 233 pannosus, Bow.  
 234 copiosus, Bow.  
 235 cavernula, Bow.  
 236 similis, Bow.  
 237 ægagrophilus, Scouler.

**Raphyrus, Bowerbank.**

- 238 Griffithsiæ, Bow.

**Spongionella, Bowerbank.**

- 239 pulchella, Sowerby.

**Order—Keratosa.****Chalina, Grant.**

- 240 oculata, Pallas.  
 241 Montagui, Fleming.  
 242 gracilentia, Bow.  
 243 limbata, Montagu.  
 244 inornata, Bow.

**Ophlitaspongia, Bowerbank.**

- 245 papilla, Bow.  
 246 seriata, Grant.

**Verongia, Bowerbank.**

- 247 zetlandica, Bow.

**Dysidea, Johnston.**

- 248 fragilis, Montagu.  
 249 coriacea, Bow.

**III.—British Sponges**, described by R. Hanitsch in "Third Report Porifera of L.M.B.C. District." (Trans. Biol. Soc. Liverpool, vol. iv, 1890, p. 192).

**Seiriola, Hanitsch.**

- 250 compacta, Hanitsch.

**Raspailia, Nardo.**

- 251 rigida, Montagu.

**Axinella, O. Schmidt.**

- 252 mamillata, Hanitsch.

**Halisarca, Johnston.**

- 253 rubra, Hanitsch.

**IV.—Type Mountings of spicula of Cliona**, described by Albany Hancock. (Ann. and Mag. Nat. Hist., ser. 2, vol. iii, 1849, p. 321, and ser. 3, vol. xix, 1867, p. 229.)

**Cliona, Grant=Vioa, Nardo.**

- (124) celata, Grant.  
 254 gorgonoides, Hancock.  
 255 Northumbria, Hancock.  
 256 vastifica, Hancock.  
 257 corallinoides, Hancock.  
 258 gracilis, Hancock.  
 259 Howsei, Hancock.  
 260 Alderi, Hancock.  
 261 lobata, Hancock.  
 262 globulifera, Hancock.  
 263 canadensis, Hancock.  
 264 angulata, Hancock.

**V.—Sponges from the "Porcupine" Expedition**, specimens or mountings.

**Asconema, Kent.**

- 265 setubalense, Kent.

**Hyalonema, Gray.**

- 266 lusitanicum, Bocage.

**Pheronema, Leidz.**

- 267 Carpenteri, Wyv. Thom.

**Aphrocallistes, Gray.**

- 268 Bocagei, P. Wright.

**Thenea, Gray.**

- 269 muricata, Bow.

**Pachastrella, O. Schmidt.**

- 270 abyssi, O. Schmidt.

- Geodia, Lamarck.**  
 271 nodastrella, Carter.  
**Corallistes, O. Schmidt.**  
 272 borealis, Carter.  
**Arabescula, Carter.**  
 273 parasitica, Carter.  
**Craniella, O. Schmidt.**  
 (46) cranium, Müll.  
**Corticium, O. Schmidt.**  
 274 abyssi, Carter.  
 275 parasiticum, Carter.  
**Halichondria, Fleming.**  
 276 abyssi, Carter.  
**Isodictya, Bowerbank.**  
 277 spinispiculum, Carter.  
**Microciona, Bowerbank.**  
 278 planum, Carter.  
**Hymenaphia, Bowerbank.**  
 (74) vermiculata, Bow.  
**Cladorhiza, M. Sars.**  
 279 abyssicola, M. Sars.  
 280 var. corticocancellata, Carter.  
**Chondrocladia, Wyv. Thomson.**  
 281 virgata, Wyv. Thom.  
**Stylocordyle, Wyv. Thomson.**  
 282 stipitata, Carter.  
**Quasillina, Norman.**  
 (41) brevis, Bow.  
**Tentorium, Vosmaer.**  
 283 semisuburites, O. Schmidt.  
**Halisarca, Dujardin.**  
 284 cruenta, Carpenter.

VI.—Norwegian Sponges, collected by myself, the Tetractinellida named by Sollas. I have also a very large collection of unexamined specimens.

- Craniella, O. Schmidt.**  
 (46) cranium, Müll.  
**Thenia, Gray.**  
 (269) muricata, Bow.  
**Normania, Bow.**  
 (38) compressa, Bow.  
**Dragmastra, Sollas.**  
 285 Normani, Sollas.  
**Stryphnus, Sollas.**  
 286 rudis, Sollas.  
**Pachymatisma, Bow.**  
 287 Normani, Sollas.

- Geodia, Lamarck.**  
 288 Barretti, Bow.  
**Cydonium, Fleming.**  
 289 Normani, Sollas.  
**Synops, Vosmaer.**  
 290 MacAndrewii, Bow.  
**Isops, Sollas.**  
 291 phlegraei, Sollas.  
**Tethya, Lamarck.**  
 (49) lyncurium, Linné.  
**Polymastia, Bowerbank.**  
 (43) mamillaris, Müll.  
**Trichostemma, M. Sars.**  
 292 hemisphaericum, M. Sars.  
**Tentorium, Vosmaer.**  
 (283) semisuburites, O. Schmidt.  
**Quasillina, Norman.**  
 (41) brevis, Bow.  
**Alectona, Carter.**  
 293 Milleri, Carter.  
**Tragosia, Gray.**  
 (195) infundibuliformis, Linn.  
 (207) Barleei, Bow.  
**Phakellia, Bowerbank.**  
 (64) ventilabrum, Linn.  
**Axinella, O. Schmidt.**  
 (61) rugosa, Bow.  
**Forcepina, Vosmaer.**  
 (144) forceps, Bow.  
**Hamacantha, Gray.**  
 (149) falcula, Bow.  
**Melananchora, Carter.**  
 294 elliptica, Carter.  
**Esperella, Vosmaer.**  
 (222) lingua, Bow.  
**Desmacidon, Bowerbank.**  
 295 crux, O. Sch.  
**Rhaphidotheca, S. Kent.**  
 296 Marshall-Hallii, Kent.  
**Cladorhiza, M. Sars.**  
 297 abyssicola, M. Sars.  
 298 pennatula, O. Sch.  
**Hymenaphia, Bowerbank.**  
 (74) vermiculata, Bow.  
**Dysidea, Johnston.**  
 (248) fragilis, Mont.

**VII.—Portions of or mountings of Type Sponges**, described by Dr. Vosmaer, from the Dutch Arctic Expeditions of 1878, 1879, 1880, and 1881, in the "Willem Barents."<sup>1</sup>

- Stelletta, O. Schmidt.**  
 299 fortis, Vosm.  
**Isops, Sollas.**  
 300 sphæroides, Vosm.  
**Synops, Vosmaer.**  
 301 pyriformis, Vosm.  
**Tetilla, F. E. Schulze.**  
 302 polyura, O. Schmidt.  
**Polymastia, Bowerbank.**  
 303 capitata, Vosm.  
**Weberella, Vosmaer.**  
 304 bursa, Vosm.  
**Tedania, Gray.**  
 305 suctoria, O. Schmidt.  
**Pachychalina, Vosmaer.**  
 306 caulifera, Vosm.  
**Cribrochalina, O. Schmidt.**  
 307 variabilis, Vosm.  
 308 var. salpingoides, Vosm.  
 309 Sluiteri, Vosm.  
**Phakellia, Bowerbank.**  
 310 Bowerbanki, Vosm.  
 311 arctica, Vosm.  
**Artemisina, Vosmaer.**  
 312 suberitoides, Vosm.  
**Forcepina, Vosmaer.**  
 (144) bulbosa, Carter.  
**Myxilla, O. Schmidt.**  
 313 Barentsi, Vosm.  
**Hamacantha, Gray.**  
 314 papillata, Vosm.  
**Gellius, Gray.**  
 315 vagabundus, O. Sch.  
 316 arcofer, Vosm.  
 317 infundibuliformis, Vosm.

**VIII.—Sections of Type Sponges**, described from the Norwegian North Atlantic Expedition, 1876-8, received from Dr. G. Armauer Hansen.<sup>2</sup>

<sup>1</sup> Vosmaer, "Die Zool. Ergebnisse der zwei in den Jahren 1878 und 1879 ausgeführten Fahrten des Schoners 'Willem Barents'" (Niederländisches Archiv für Zool. 1881-2), and the "Sponges of the 'Willem Barents' Expedition of 1880 and 1881," 1885.

<sup>2</sup> G. Armauer Hansen, "Norwegian North Atlantic Expedition, 1876-1878. Spongiadae." Christiania, 1885.

- Stylocordyle, Lovén.**  
 318 borealis, Lovén.  
**Reniera, O. Schmidt.**  
 319 simplex, Hans.  
 320 oblonga, Hans.  
 321 velamentosa, Hans.  
 322 tubulosa, Hans.  
 323 membranacea, Hans.  
 324 nivea, Hans.  
 325 pallescens, Hans.  
 (309) infundibuliformis, Hans.  
 326 complicata, Hans.  
 327 inflata, Hans.  
**Radiella, O. Schmidt.**  
 (292) sol, O. Sch.  
**Rinalda, O. Schmidt.**  
 328 uberrima, O. Sch.  
**Thecophora, O. Schmidt.**  
 (283) semisuburites, O. Sch.  
**Polymastia, Bowerbank.**  
 (43) penicillus, Mont.  
**Suberites, Nardo.**  
 329 incrustans, Hans.  
 330 radians, Hans.  
 331 glabra, Hans.  
**Myxilla, O. Schmidt.**  
 332 exigua, Hans.  
 333 grisea, Hans.  
 334 brunnea, Hans.  
**Sclerilla, O. Schmidt.**  
 335 arctica, Hans.  
 336 dura, Hans.  
**Desmacidon, Bowerbank.**  
 337 clavatum, Hans.  
 338 nucleus, Hans.  
 339 giganteum, Hans.  
 340 arcticum, Hans.  
**Esperia, Nardo.**  
 341 bihamatifera, Carter.  
**Cladorhiza, M. Sars.**  
 (297) abyssicola, M. Sars.  
**Geodia, Lamarck.**  
 342 parva, Hans.  
**Tethya, Lamarck.**  
 (46) cranium, Müll.  
 343 var. infrequens, Cart.  
**Thenea, Gray.**  
 (269) muricata, Bow.  
**Hyalonema, Gray.**  
 344 arcticum, Hans.



**IX.—Sections of Type and other Sponges**, described by Herr Konrad Fristedt, from the coast of Sweden, received from the Royal Museum of Stockholm.<sup>1</sup>

- Polymastia, Bowerbank.**  
 (43) mamillaris, Müller.  
**Radiella, O. Schmidt.**  
 (50) spinularia, Bow.  
**Thecophora, O. Schmidt.**  
 (283) semisuberites, O. Sch.  
**Suberites, Nardo.**  
 345 montalbidus, Carter.  
 346 massa, Nardo.  
 (123) sulphureus, Bow.  
**Vosmaeria, Fristedt.**  
 347 crustacea, Fristedt.  
**Amorphina, O. Schmidt.**  
 (136) panicea, Pallas.  
 (110) fallax, Bow.  
**Stylopus, Fristedt.**  
 348 coriaceus, Fristedt.  
**Desmacella, O. Schmidt.**  
 349 pumicea, Fristedt.  
 350 Peachii, Bow.  
 351 var. stellifera, Fristedt.  
**Hastatus, Vosmaer.**  
 (71) ambiguus, Bow.  
 352 mamillaris, Fristedt.  
 (140) Robertsoni, Bow.  
 (161) granulatus, Bow.  
**Esperia, Nardo.**  
 (144) forceps, Bow.  
 (70) armata, Bow.  
 (158) nigricans, Bow.  
 (222) lingua, Bow.  
 353 foliata, Fristedt.  
**Geodia, Lamarck.**  
 (288) Barretti, Bow.  
**Isodictya, Bow.**  
 (195) infundibuliformis, Lin.  
**Phakellia, Bowerbank.**  
 (64) ventilabrum, Lin.  
**Axinella, O. Schmidt.**  
 (61) rugosa, Bow.  
**Raspailia, Nardo.**  
 354 abyssorum, Carter.

**Chalina, Bowerbank.**

- (243) limbata, Mont.  
 355 pulcherrima, Fristedt.  
**Dysidea, Johnston.**  
 (248) fragilis, Mont.

**X.—Sections of Type Sponges**, described by Herr Konrad Fristedt, from the "Vega" and other Swedish expeditions, received from the Royal Museum of Stockholm.<sup>1</sup>

- Hyalonema, Gray.**  
 356 roseum, Fristedt.  
 357 foliatum, Fristedt.  
**Halisarca, Dujardin.**  
 (128 ?) Dujardinii, Johnston.  
**Chalina, Grant.**  
 358 vega, Fristedt.  
 359 arbuscula, Verrill.  
**Cribrochalina, O. Schmidt.**  
 (307) variabilis, Vosm.  
**Reniera, O. Schmidt.**  
 360 ventilabrum, Fristedt.  
**Amorphina, O. Schmidt.**  
 361 grisea, Fristedt.  
**Eumastia, O. Schmidt.**  
 362 sitiens, O. Schm.  
**Isodictya, Bowerbank.**  
 363 Dicksonii, Fristedt.  
**Artemisina, Vosmaer.**  
 (312) suberitoides, Vosm.  
**Hymedesmia, Bowerbank.**  
 364 Johnsoni, Bow.  
**Hymenaphia, Bowerbank.**  
 (74) vermiculata, Bow.  
 365 var. erecta, Carter.  
**Polymastia, Bowerbank.**  
 (41) brevis, Bow.  
 366 paupera, Fristedt.  
**Tethya, Lamarck.**  
 (46) cranium, Müll.  
 (269) muricata, Bow.  
 367 siberica, Fristedt.  
**Gellius, Gray.**  
 (316) arcophorus, Vosm.  
**Desmacella, O. Schmidt.**  
 368 rosea, Fristedt.  
**Desmacidon, Bowerbank.**  
 (231) Jeffreyssii, Bow.

<sup>1</sup> Fristedt, "Bidrag till Kännedom om de vid Sveriges vestra Kust lefvande Spongïæ" (Kongl. Svenska Vet. Akad. Hand xxi), 1885.

<sup>1</sup> Fristedt, "Sponges from the Atlantic and Arctic Oceans and the Behring Sea," 1887.

**Hastatus, Vosmaer.**

369 foliatus, Fristedt.

370 indistinctus, Fristedt.

**Cornulum, Carter.**

371 ascidioides, Fristedt.

372 textile, Carter.

373 enteromorphoides, Fristedt.

**Esperia, Nardo.**

(222) lingua, Bow.

374 var. arctica, Fristedt.

375 villosa, Carter.

376 helios, Fristedt.

377 Sophiæ, Fristedt.

**Forcepia, Carter.**

378 grœnlandica, Fristedt.

**Cribrella, O. Schmidt.**

379 hospitalis, O. Schmidt.

**Melananchora, Carter.**

(294) elliptica, Carter.

**Cladorhiza, M. Sars.**

(279) abyssicola, M. Sars.

380 Nordenskiöldii, Fristedt.

381 cupressiformis, Carter.

**Clathria, O. Schmidt.**

382 corallorhizoides, Fristedt.

383 Loveni, Fristedt.

**XI.—Portions of Sponges, described**

by Dr. von Marenzeller, from the Austrian expedition to Jan Mayen.<sup>1</sup>

**Cribrachalina, O. Schmidt.**

384 ambigua, Marenz.

**Esperia, Nardo.**

(232) constricta, Bow.

**Suberites, Nardo.**

(345) Lütkeni, O. Sch.

**Isodictya, Bowerbank.**385 tenera, Marenz.<sup>2</sup>**Tetilla, O. Schmidt.**

386 geniculata, Marenz.

**XII.—Sponges received from the Copen-**

hagen Museum, being (a) Greenlandic species, described by O. Schmidt in "Grundzüge einer Spongien-Fauna des atlantischen Gebietes, 1876,"

<sup>1</sup> "Die internationale Polarforschung 1882-3. Die österreichische Polarstation Jan Mayen, iii, Band, 1886."

<sup>2</sup> This species described by Marenzeller in "Die Coelenteraten, Echinodermen, und Würmer der österreichisch-ungarischen Nordpol-Expedition" (Densk. Math-natur Classe der Kais. Akad. der Wissen, xxxv), 1877.

and (b) Species from the Kara Sea, described by Dr. Levinsen, in "Dijmphna-Togtets Zoologisk-botaniske Udbytte 1887."

**Craniella, O. Schmidt.**

387 tetheoides, O. Sch.

**Chalinula, O. Schmidt.**

388 ovum, O. Sch.

**Suberites.**

389 arciger, O. Sch.

**Pachychalina, O. Schmidt.**

390 compressa, O. Sch.

**Amorphina, O. Schmidt.**

391 genetrix, O. Sch.

**Halichondria, Fleming.**

392 bibula, O. Sch.

393 assimilis, Lev.

**Gellius, Gray.**

394 capillifer, Lev.

**Esperella, Vosmaer.**

394\* Vosmaeri, Lev.

395 picea, Lev.

(381) cupressiformis, Carter.

396 var. robusta, Lev.

397 var. lycopodium, Lev.

**XIII.—Mediterranean Sponges.**

(Nomenclature of O. Schmidt.)

The letters affixed to the names indicate that the sponge has been received from one of the following sources:—

*M.*—Received from the Vienna Museum, Dr. von Marenzeller.

*S.*—Received from Prof. O. Schmidt.

*V.*—Received from Dr. Vosmaer.

*Z.*—Received from the Zoological Station, Naples.

**Halisarca, Dujardin.**

398 lobularis, O. Sch. S.

(128?) Dujardinii, Johnst. Z.

**Chondrosia, Nardo.**

399 reniformis, O. Sch. Z.

**Chondrilla, O. Schmidt.**

400 nucula, O. Sch. S.

**Corticium, O. Schmidt.**

401 candelabrum, O. Sch. S.

402 stelligerum, O. Sch. S.

**Osculina, O. Schmidt.**

403 polystomella, O. Sch. Z.

**Euspongia, Bronn.**

404 Adriatica, O. Sch. Z.

- Cacospongia**, O. Schmidt.  
 405 mollior, O. Sch. S.  
 406 scalaris, O. Sch. S.  
 407 cavernosa, O. Sch. S.  
**Aplysina**, Nardo.  
 408 aerophoba, O. Sch. S.  
**Aplysilla**, F. E. Schulze.  
 409 sulphurea, F. E. Schu. Z.  
**Hircinia**, Nardo.  
 410 dendroides, O. Sch. S.  
 411 variabilis, O. Sch. S.  
**Sarcotragus**, O. Schmidt.  
 412 spinulosus, O. Sch. S.  
 413 muscarum, O. Sch. Z.  
**Chalina**, Bowerbank.  
 414 digitata, O. Sch. M.  
**Siphochalina**, O. Schmidt.  
 415 coriacea, O. Sch. Z.  
**Chalinula**, O. Schmidt.  
 416 fertilis, O. Sch. Z.  
**Reniera**, O. Schmidt.  
 417 aquæductus, O. Sch. S.  
 418 grossa, O. Sch. M.  
 419 aurantiaca, O. Sch. M. Z.  
 420 cratera, O. Sch. Z.  
 421 ambigua, O. Sch. S.  
 422 filigrana, O. Sch. S.  
 423 nuggiana, O. Sch. S.  
 424 digitata, O. Sch. M.  
 425 informis, O. Sch. S.  
 426 calyx, O. Sch. S.  
**Schmidtia**, Bals. Crivelli.  
 427 dura, Nardo Z.  
**Suberites**, Nardo.  
 428 fruticosus, O. Sch. S. Z.  
 (119) domuncula, Nardo S.  
 429 lobatus, O. Sch. S.  
 430 flavus, O. Sch. M.  
**Rhizaxinella**, Keller.  
 431 pyrifera, Vosmaer Z.  
**Papillina**, O. Schmidt.  
 (238) suberea, O. Sch. S.  
 432 nigricans, O. Sch. S.  
**Vioa**, Nardo.  
 433 Hancocki, O. Sch.  
 (124) celata, Grant S.  
**Tethya**, Lamarck.  
 (49) lyncurium, Lin. S.  
**Tuberella**, Keller.  
 434 tethyoides, Keller Z.

- Esperia**, Nardo.  
 435 Cantarenii, O. Sch. S.  
 436 Bauriana, O. Sch. S.  
 437 tunicata, O. Sch. S.  
 438 Bowerbanki, O. Sch. S.  
 (222) lingua, Bow. Z.  
 439 syrinx, O. Sch. S.  
 440 Lorenzi, O. Sch. Z.  
 441 massa, O. Sch. S.  
**Myxilla**, O. Schmidt.  
 442 rosacea, O. Sch.  
 443 fasciculata, O. Sch. Z.  
**Dictyonella**, O. Schmidt.  
 444 arcicola, O. Sch. Z.  
**Clathria**, O. Schmidt.  
 445 coralloides, O. Sch. S.  
 446 var. ceratodes, Vosm. V.  
 447 var. mollis, Vosm. V.  
 448 frondiculata, O. Sch. M.  
 449 compressa, O. Sch. S.  
 450 oroides, O. Sch. M. Z.  
**Raspailia**, Nardo.  
 451 viminalis, O. Sch. S. Z.  
 452 stelligera, O. Sch. S.  
**Raspaigella**, O. Schmidt.  
 453 brunnea, O. Sch. M.  
**Axinella**, O. Schmidt.  
 454 damicornis, O. Sch. S.  
 455 foveolata, O. Sch. S.  
 456 verrucosa, O. Sch. S.  
 polypoides, O. Sch. S. Z.  
 457 cinnamonea, O. Sch. Z.  
**Acanthella**, O. Schmidt.  
 458 acuta, O. Sch. S.  
**Thenea**, Gray.  
 459 intermedia, Sollas Z.  
**Stelletta**, O. Schmidt.  
 460 dorsigera, O. Sch. S.  
 461 carbonaria, O. Sch. Z.  
 462 fibulifera, O. Sch. M.  
**Geodia**, Lamarck.  
 463 gigas, O. Sch. S.

**XIV.—N. E. American Sponges**, received from the United States National Museum and from Professor Verrill.

- Tethya**, Lamarck.  
 464 gravata, Hyatt.  
**Suberites**.  
 465 compacta, Verrill.



- Cliona.**  
 466 sulphurea, Desor.  
**Microcionia, Bowerbank.**  
 467 prolifera, Verrill.  
**Halichondria.**  
 (136) panicea, Pallas?

- Cladorhiza.**  
 468 grandis, Verrill.  
**Chalina.**  
 (240?) oculata, Pallas?  
 (359) arbuscula, Verrill.  
 And some undetermined species.

## VIII.—RHIZOPODA.

### I.—FRESHWATER SPECIES.<sup>1</sup>

#### Orders—Lobosa and Reticularia.

- Pelomyxa, Greef.**  
 1 palustris, Greef.  
**Amoeba, Ehrenberg.**  
 2 proteus, Leidy.  
 3 verrucosa, Ehren.  
 4 vestita, Penard.  
**Diffugia, Le Clerc.**  
 5 pyriformis, Perty.  
 6 var. cornuta, Leidy.  
 7 var. vas, Leidy.  
 8 var. fulva, Penard.  
 9 acuminata, Ehren.  
 10 amphora, Leidy.  
 11 elegans, Penard.  
 12 bicornis, Penard.  
 13 corona, Wallich.  
 14 globulosa, Dujardin.  
 15 marsupiformis, Wallich.  
 16 avellana, Penard.  
 17 lanceolata, Penard.  
 18 bacillifera, Penard.  
 19 var. inflata, Penard.  
 20 lobostoma, Leidy.  
 21 arcula, Leidy.  
 22 constricta, Ehren.  
 23 compressa, Carter.  
 24 entochloris, Leidy.  
 25 urceolata, Carter.  
 26 var. amphora, Leidy.  
 27 var. lebes, Penard.  
 28 tuberculata, Wallich.  
 29 mamillata, Penard.  
 30 rubescens, Penard.  
 31 elisa, Penard.

#### Centropyxis, Stein.

- 32 aculeata, Stein.  
 33 var. ecornis, Leidy.  
 34 var. discoides, Penard.

#### Arcella, Ehrenberg.

- 35 vulgaris, Ehren.  
 36 var. angulosa, Leidy.  
 37 hemisphaerica, Perty.  
 38 catinus, Penard.

#### Lecquereusia, Schlumberger.

- 39 jurassica, Schlumb.  
 40 var. epistoma, Penard.  
 41 var. bacillaris, Penard.

#### Nebela, Leidy.

- 42 collaris, Leidy.  
 43 longicollis, Penard.  
 44 lageniformis, Penard.  
 45 tubulosa, Penard.  
 46 flabellulum, Leidy.  
 47 carinata, Leidy.  
 48 galeata, Penard.  
 49 bigibbosa, Penard.  
 50 dentistoma, Penard.  
 51 bursella, Vejdovsky.  
 52 militaris, Penard.  
 53 minor, Penard.  
 54 tenella, Penard.

#### Hyalosphenia, Leidy.

- 55 papilio, Leidy.  
 56 elegans, Leidy.  
 57 punctata, Penard.

#### Quadrula, Schulze.

- 58 symmetrica, Schulze.  
 59 var. irregularis, Penard.  
 60 discoides, Penard.

#### Heleopera, Leidy.

- 61 rosea, Penard.  
 62 petricola, Leidy.

<sup>1</sup> The specimens of a few of the following forms are from North America.

**Heleopera, Leidy.** — continued.

- 63 *sylvatica*, Penard.

**Cryptodiffugia.**

- 64 *oviformis*, Penard.

**Pseudodiffugia, Schlumberger.**

- 65 *hemisphaerica*, Penard.

**Campascus, Leidy.**

- 66 *triqueter*, Penard.

**Cyphoderia, Schlumberger.**

- 67 *margaritacea*, Schlum.

- 68 *triquetra*, Penard.

**Assulina, Ehrenberg.**

- 69 *seminulum*, Leidy.

- 70 *scandinavica*, Penard.

- 71 *minor*, Penard.

**Euglypha, Dujardin.**

- 72 *alveolata*, Dujardin.

- 73 *ciliata*, Leidy.

- 74 *strigosa*, Leidy.

- 75 *cristata*, Penard.

- 76 *heterospina*, Penard.

- 77 *compressa*, Carter.

**Placocysta, Leidy.**

- 78 *spinosa*, Leidy.

**Sphenoderia, Schlumberger.**

- 79 *lenta*, Schlum.

- 80 *dentata*, Penard.

**Trinema, Dujardin.**

- 81 *enchelys*, Leidy.

- 82 *complanatum*, Penard.

- 83 *lineare*, Penard.

**Corythion, Taránek.**

- 84 *dubium*, Taránek.

- 85 *pulchellum*, Penard.

**Pseudochlamys, Claparède & Lachman.**

- 86 *patella*, Clap. & Lach.

**Gromia, Dujardin.**

- 87 *Brunneri*, Blanc.

- 88 *Schulzei*, Norman.<sup>1</sup>

**II.—MARINE SPECIES.****Order—Reticularia or Foraminifera.***Fam. I.—Miliolidae.***Nubecularia, Defrance.**

- 89 *lucifuga*, Defrance.

**Biloculina, d'Orbigny.**

- 90 *sphaera*, d'Orb.

- 91 *lucernula*, Schwager.

- 92 *bulloides*, d'Orb.

- 93 *ringens*, Lamk.

- 94 *comata*, H. Bra.

- \*95 *irregularis*, d'Orb.

- 96 *elongata*, d'Orb.

- 97 *depressa*, d'Orb.

- 98 *var. murrhyna*, Schwager.

- 99 *var. serrata*, H. Bra.

- 100 *laevis*, DeFr.

**Spiroloculina, d'Orbigny.**

- 101 *planulata*, Lamk.

- \*102 *robusta*, H. Bra.

- 103 *excavata*, d'Orb.

- 104 *tenuiseptata*, H. Bra.

- 105 *acutimargo*, H. Bra.

- 106 *limbata*, d'Orb.

- \*107 *robusta*, H. Bra.

- 108 *canaliculata*, d'Orb.

**Sigmoilina, Schlumberger.**

- 109 *secans*, d'Orb.

- 110 *celata*, Costa.

- 111 *tenuis*, Czjzek.

- \*112 *sigmoidea*, H. Bra.

**Miliolina, Williamson.**

- 113 *seminulum*, Lin.

- 114 *badenensis*, d'Orb.

- 115 *seminuda*, Reuss.

- 116 *oblonga*, Mont.

- \*117 *gracilis*, d'Orb.

- 118 *venusta*, Karrer.

- 119 *Auberiana*, d'Orb.

- \*120 *Cuvieriana*, d'Orb.

- 121 *trigonula*, Lamk.

- 122 *tricarinata*, d'Orb.

- 123 *insignis*, H. Bra.

- 124 *subrotunda*, Mont.

- \*125 *Fichteliana*, d'Orb.

- 126 *circularis*, Born.

- 127 *bucculenta*, H. Bra.

- \*128 *var. placentæformis*, H. Bra.

- 129 *bicornis*, Walk. and Jac.

- 130 *Boueana*, d'Orb.

- 131 *pulchella*, d'Orb.

- 132 *Ferussacei*, d'Orb.

- \*133 *reticulata*, d'Orb.

- 134 *labiosa*, d'Orb.

<sup>1</sup> Name for the large marine species figured by Schulze "Jahresbericht der Comm. zur wissenschaft. Unters. der deutschen Meere in Kiel 1872-3." Pl. II, fig. 11, a, b, c, 1875.

**Miliolina, Williamson.**—continued.

- 135 longirostris, d'Orb.  
 136 Brongniartii, d'Orb.  
 137 selerotica, d'Orb.  
 138 agglutinans, d'Orb.  
 139 fusca, H. Bra.

**Articulina, d'Orbigny.**

- \*140 sulcata, Reuss.  
 \*141 sagra, d'Orb.  
 \*142 funalis, H. Bra.

**Ophthalmidium, Kübler.**

- 143 inconstans, H. Bra.  
 =carinatum, Balk. and Wrig.

**Planispirina, Sequenza.**

- 144 contraria, d'Orb.  
 145 communis, Sequenza.

**Cornuspira, Schultze.**

- 146 foliacea, Phil.  
 147 involvens, Reuss.  
 148 carinata, Costa.  
 149 striolata, H. Bra.

**Paneroplis, Montfort.**

- 150 pertusus, Forsk.  
 151 var. planatus, Fich. & Moll.  
 152 var. carinatus, d'Orb.

**Orbiculina, Lamarck.**

- 153 adunca, Fich. & Moll.

**Orbitolites, Lamarck.**

- 154 italica, Costa.  
 155 marginalis, Lamk.

*Fam. II.—Astrorhizidæ.***Astrorhiza, Sandahl.**

- 156 limicola, Sandahl.  
 157 arenaria, Norman.  
 158 crassatina, H. Bra.  
 159 granulosa, H. Bra.  
 160 angulosa, H. Bra.

**Pelosina, H. B. Brady.**

- 161 variabilis, H. Bra.

**Dendrophrya, Str. Wright.**

- 162 radiata, Str. Wright.  
 163 erecta, Str. Wright.

**Storthosphæra, Schulze.**

- 164 albida, Schulze.

**Syringamina, H. B. Brady.**

- 165 fragilissima, H. Brady.

**Technitella, Norman.**

- 166 melo, Norman.  
 167 legumen, Norman.

**Bathysiphon, M. Sars.**

- 168 filiformis, M. Sars.

**Saccamina, M. Sars.**

- 169 sphærica, M. Sars.

**Psammosphæra, Schulze.**

- 170 fusca, Schulze.

**Jaculella, H. B. Brady.**

- 171 acuta, H. Bra.  
 172 obtusa, H. Bra.

**Psammatodendron, Norman.**

- 173 arborescens, Norman.  
 174 ramosum, H. Bra.

**Hyperamina, H. B. Brady.**

- 175 elongata, H. Bra.  
 176 friabilis, H. Bra.  
 177 subnodosa, H. Bra.  
 178 vagans, H. Bra.

**Marsipella, Norman.**

- 179 elongata, Norman.  
 180 cylindrica, H. Bra.

**Rhabdammina, M. Sars.**

- 181 abyssorum, M. Sars.  
 182 discreta, H. Bra.  
 183 linearis, H. Bra.

**Aschemonella, H. B. Brady.**

- 184 catenata, Norman.

**Rhizamina, H. B. Brady.**

- 185 algæformis, H. Bra.  
 186 indivisa, H. Bra.

**Botellina, Carpenter.**

- 187 labyrinthica, H. Bra.

**Haliphysema, Bowerbank.**

- 188 Tumanowiczii, Bow.  
 189 ramulosum, Bow.  
 190 confertum, Norman.

*Fam. III.—Lituolidæ.***Reophax, Montfort.**

- 191 diffflugiformis, H. Bra.  
 192 fusiformis, Will.  
 193 scorpiurus, Montfort.  
 194 pilulifera, H. Bra.  
 195 dentaliniformis, H. Bra.  
 196 bacillaris, H. Bra.  
 197 guttifera, H. Bra.  
 198 distans, H. Bra.  
 199 adunca, H. Bra.  
 200 sabulosa, H. Bra.  
 201 cylindrica, H. Bra.  
 202 findens, Parker=moniliforme, Siddall.



**Reophax, Montfort.**—continued.

203 rudis, Costa.

204 Scottii, Chaster.

**Haplophragmium, Reuss.**

205 agglutinans, d'Orb.

206 pseudospirale, Will.

\*207 calcareum, H. Bra.

208 cassis, Parker.

209 emaciatum, H. Bra.

210 latidorsatum, Born.

211 scitulum, H. Bra.

212 glomeratum, H. Bra.

213 canariense, d'Orb.

214 crassimargo, Norman.<sup>1</sup>

215 nanum, H. Bra.

216 globigeriniforme, Par. and Jones.

217 anceps, H. Bra.

**Placopsilina, d'Orbigny.**

218 bulla, d'Orb.

219 cenomana, d'Orb.

220 vesicularis, H. Bra.

**Haplostiche, Reuss.**

221 Soldanii, d'Orb.

**Thurammina, H. B. Brady.**

222 papillata, H. Bra.

223 albicans, H. Bra.

**Hippocrepina, Parker.**

224 indivisa, Parker.

**Hormosina, H. B. Brady.**

225 globulifera, H. Bra.

226 ovicula, H. Bra.

227 Carpenteri, H. Bra.

228 Normani, H. Bra.

**Ammodiscus, Reuss.**

229 incertus, d'Orb.

230 gordialis, Par. and Jones.

231 charoides, Par. and Jones.

232 Shoneanus, Siddall.

**Trochammina, Parker and Jones.**

233 squamata, Par. and Jones.

234 ochracea, Will.

235 plicata, Terquem.

236 inflata, Mont.

237 var. macrescens, H. Bra.

238 nitida, H. Bra.

239 Robertsoni, H. Bra.

**Trochammina, Parker and Jones.**—contd.

240 trullissata, H. Bra.

\*241 coronata, H. Bra.

\*242 conglobata, H. Bra.

243 ringens, H. Bra.

244 trullissata, H. Bra.

245 lituiformis, H. Bra.

246 pauciloculata, H. Bra.

**Webbina, d'Orbigny.**

247 hemisphaerica, Jones, Par. and Bra.

248 clavata, Par. and Jones.

**Cyclammina, H. B. Brady.**

249 cancellata, H. Bra.

*Fam. IV.—Textulariidae.***Textularia, Defrance.**

\*250 quadrilatera, Schwager.

251 concava, Karrer.

252 nussdorfensis, d'Orb.

253 carinata, d'Orb.

254 sagittula, Defrance.

255 var. fistulosa, H. Bra.

256 agglutinans, d'Orb.

257 gramen, d'Orb.

258 conica, d'Orb.

259 trochus, d'Orb.

\*260 turris, d'Orb.

\*261 Barrettii, Par. and Jones.

262 aspera, H. Bra.

**Bigenerina, d'Orbigny.**

263 nodosaria, d'Orb.

264 digitata, d'Orb.

265 robusta, H. Bra.

**Grammostomum, Reuss.**

266 capreolus, d'Orb.

267 pennatula, Batsch.

**Pavonaria, d'Orbigny.**

\*268 flabelliformis, d'Orb.

**Spiroplecta, Ehrenberg.**

269 biformis, Par. and Jones.

**Gaudryina, d'Orbigny.**

270 pupoides, d'Orb.

271 baccata, Schwager.

\*272 subrotunda, Schwager.

273 filiformis, Berth.

274 siphonella, Reuss.

**Verneuilina, d'Orbigny.**

275 triquetra, Münster.

276 spinulosa, Reuss.

<sup>1</sup> Nov. nom. for Brady, "Challenger," Pl. xxv, fig. 4. It is a well-marked form which I have found with *H. canariense* in East Finmark and Greenland, each form preserving its distinctive characters.

- 277      *pygmæa*, Egger.  
 278      *polystropha*, Reuss.
- Valvulina, d'Orbigny.**  
 279      *conica*, Par. and Jones.  
 280      *fusca*, Will.
- Clavulina, d'Orb.**  
 \*281      *communis*, d'Orb.  
 282      *parisiensis*, d'Orb.  
 283      *cylindrica*, Hantken.
- Bulimina, d'Orbigny.**  
 284      *elegans*, d'Orb.  
 285      *pyrula*, d'Orb.  
 \*286      var. *spinescens*, H. Bra.  
 287      *ovata*, d'Orb.  
 288      *affinis*, d'Orb.  
 289      *pupoides*, d'Orb.  
 290      *arctica*, d'Orb.  
 291      *subteres*, H. Bra.  
 292      *elegantissima*, d'Orb.  
 293      *fusiformis*, Will.  
 \*294      *subcylindrica*, H. Bra.  
 295      *marginata*, d'Orb.  
 296      *aculeata*, d'Orb.  
 297      *inflata*, Sequenza.  
 298      *Buchiana*, d'Orb.  
 299      *convoluta*, Will.  
 300      *squamigera*, d'Orb.
- Virgulina, d'Orbigny.**  
 301      *Schreibersiana*, Czjzek.  
 302      *subsquamosa*, Egger.
- Bolivina, d'Orbigny.**  
 303      *punctata*, d'Orb.  
 304      *dilatata*, Reuss.  
 \*305      *porrecta*, H. Bra.  
 306      *lævigata*, Will. = *textilaroides*, Reuss.  
 307      *tortuosa*, H. Bra.  
 308      *difformis*, Will. = *pygmæa*, H. Bra.  
 309      *robusta*, H. Bra.  
 310      *Beyrichi*, Reuss.  
 311      var. *alata*, Seq.  
 312      *ænariensis*, Costa.  
 313      *plicata*, d'Orb.  
 314      *tegulata*, Reuss.  
 315      *costata*, d'Orb.  
 316      *decussata*, H. Bra.
- Cassidulina, d'Orbigny.**  
 317      *lævigata*, d'Orb.  
 318      *crassa*, d'Orb.  
 319      *Bradii*, Norman.

*Fam. V.—Chilostomellidae.*

**Chilostomella, Reuss.**

- 320      *ovoidea*, Reuss.

*Fam. VI.—Lagenidae.*

**Lagena, Walker and Boys.**

- 321      *globosa*, Mont.  
 322      var. *apiculata*, Reuss.  
 323      *lævis*, Mont.  
 324      *clavata*, d'Orb.  
 325      *elongata*, Ehrenberg.  
 326      *gracillima*, Seq.  
 327      *striata*, d'Orb.  
 328      *distoma*, Par. and Jones.  
 329      *gracilis*, Will.  
 330      *interrupta*, Will.  
 331      *semistriata*, Will.  
 332      *semilineata*, Wright.  
 333      *lineata*, Will.  
 334      *crenata*, Par. and Jones.  
 335      *hispida*, Reuss.  
 336      *aspera*, Reuss.  
 337      *sulcata*, Walk. and Boys.  
 338      *costata*, Will.  
 339      *acuticosta*, Reuss.  
 340      *Williamsoni*, Alcock.  
 341      *desmophora*, Rymer Jones.  
 342      *Hertwigiana*, H. Bra.  
 343      *striatopunctata*, Par. and Jones.  
 344      *squamosa*, Mont.  
 345      *melo*, d'Orb.  
 346      *hexagona*, Will.  
 347      *lævigata*, Reuss.  
 348      var. *carinata*, Reuss.  
 349      var. *globosa*, Born.  
 350      var. *pedunculata*, Sequenza.  
 351      *marginata*, Walk. and Boys.  
 352      var. *inæquilateralis*, Wright.  
 353      *monst. trigono-marginata*, Par. and Jones.  
 354      *monst. trigono-oblonga*, Sequenza.  
 355      *lucida*, Will.  
 356      *quadrata*, Will.  
 357      *faba*, Balk. and Mill.  
 358      *bicarinata*, Terquem.  
 359      *Orbigniana*, Sequenza.  
 360      *monst. trigono-Orbigniana*, Norman.
- 361      *fimbriata*, H. Bra.  
 362      *pulchella*, H. Bra.

**Lagena, Walker and Boys.—continued.**

- 363 lagenoides, Will.  
 364 var. tenuistriata, H. Bra.  
**Glandulina, d'Orbigny.**  
 365 lævigata, d'Orb.  
 366 var. rotundata, Reuss.  
 367 var. inflata, Born.  
 368 var. gracilis, Reuss.

**Nodosaria, Lamarck.**

- 369 radícula, Lin.  
 370 calomorpha, (Reuss ?) H. Bra.  
 371 pyrula, d'Orb.  
 372 inflexa, Reuss.  
 373 filiformis, d'Orb.  
 374 consobrina, d'Orb.  
 375 var. emaciata, Reuss.  
 376 soluta, Reuss.  
 377 Verneuilii, d'Orb.  
 378 communis, d'Orb.  
 379 capitata, Boll.  
 380 Rœmeri, Neugenb.  
 381 hispida, d'Orb.  
 382 var. sublineata, H. Bra.  
 383 comata, Batsch.  
 384 scalaris, Batsch.  
 385 var. separans, H. Bra.  
 386 raphanus, Lin.  
 387 obliqua, Lin.  
 388 vertebralis, Batsch.  
 \*389 costulata, Reuss.  
 \*390 intercellaris, H. Bra.  
 391 aciculata, d'Orb.

**Lingulina, d'Orbigny.**

- 392 carinata, d'Orb.  
 393 var. seminuda, Hantken.

**Fronicularia, Defrance.**

- 394 alata, d'Orb.

**Rhabdognonium, Reuss.**

- 395 tricarinatum, d'Orb.

**Marginulina, d'Orbigny.**

- 396 glabra, d'Orb.  
 397 costata, Batsch.

**Vaginulina, d'Orbigny.**

- 398 legumen, Lin.  
 399 var. arquata, H. Bra.  
 400 spinigera, H. Bra.  
 401 linearis, Mont.

**Cristallaria, Lamarck.**

- 402 tenuis, Born.

**Cristallaria, Lamarck.—continued.**

- 403 obtusata, Reuss.  
 404 var. subalata, H. Bra.  
 405 compressa, d'Orb.  
 406 reniformis, d'Orb.  
 \*407 Schloenbachi, Reuss.  
 408 crassa, d'Orb.  
 409 variabilis, Reuss.  
 410 crepidula, Fich. and Moll.  
 411 italica, Defrance.  
 412 gibba, d'Orb.  
 413 rotulata, Lamk.  
 414 vortex, Fich. and Moll.  
 415 orbicularis, d'Orb.  
 416 cultrata, d'Orb.  
 417 calcar, Lin.  
 418 echinata, d'Orb.  
 \*419 aculeata, d'Orb.

**Amphicoryne, Schlumberger.**

- 420 falx, Par. and Jones.

**Polymorphina, d'Orbigny.**

- 421 lactea, Walk. and Jac.  
 422 monst. d'Orbignii, Zbor.  
 423 gibba, d'Orb.  
 424 var. Humboldtii, Zbor.  
 425 lanceolata, Reuss.  
 426 compressa, d'Orb.  
 427 monst. fistulosa, Will.  
 428 Thouini, d'Orb.  
 429 oblonga, d'Orb.  
 430 rotundata, Born.  
 431 myristiformis, Will.  
 432 concava, Will.

**Uvigerina, d'Orbigny.**

- 433 canariensis, d'Orb.  
 434 angulosa, Will.  
 \*435 porrecta, H. Bra.  
 436 asperula, Czjzek.  
 437 pygmæa, d'Orb.  
 438 tenuistriata, Reuss.

**Sagrina, d'Orbigny.**

- 439 dimorpha, Par. and Jones.  
 440 nodosa, Par. and Jones.

**Ramulina, Rupert Jones.**

- 441 globulifera, H. Bra.

**Fam. VII.—Globigerinidae.****Globigerina, d'Orb.**

- 442 bulloides, d'Orb.  
 443 dubia, Egger.



**Globigerina, d'Orb.—continued.**

- 444 pachyderma, Ehrenberg.  
 445 inflata, d'Orb.  
 446 rubra, d'Orb.  
 447 conglobata, H. Bra.  
 448 sacculifera, H. Bra.  
 449 æquilateralis, H. Bra.

**Orbubina, d'Orb.**

- 450 universa, d'Orb.  
 451 monst. bilobata, d'Orb.  
 452 monst. trilobata, d'Orb.  
 453 porosa, Terquem.

**Hastigerina, Wyville Thomson.**

- 454 pelagica, d'Orb.

**Pullenia, Parker and Jones.**

- 455 sphæroides, d'Orb.  
 456 quinqueloba, Reuss.  
 457 obliqueloculata, Par. and Jones.

**Sphæroidina, d'Orb.**

- 458 bulloides, d'Orb.  
 459 dehiscens, Par. and Jones.

**Candeina, d'Orbigny.**

- 460 nitida, d'Orb.

*Fam. VIII.—Rotaliidae.***Spirillina, Ehrenberg.**

- 461 vivipara, Ehrenberg.  
 462 margaritifera, Will.  
 463 limbata, H. Bra.  
 464 decorata, H. Bra.

**Patellina, Williamson.**

- 465 corrugata, Will.

**Cymbalopora, Hagenow.**

- 466 Poeyi, d'Orb.  
 467 bulloides, d'Orb.

**Discorbinia, Parker and Jones.**

- \*468 turbo, d'Orb.  
 469 globularis, d'Orb.  
 470 arctica, Norman (nov. nom.) = obtusa,  
 Par. and Jones (non d'Orb.).

- 471 rosacea, d'Orb.  
 472 orbicularis, Terquem.  
 473 parisiensis, d'Orb.  
 474 Bertheloti, d'Orb.  
 475 Saulcyi, d'Orb.  
 476 Wrightii, H. Bra.

**Planorbulina, d'Orbigny.**

- 477 mediterraneanensis, d'Orb.  
 478 ariminensis, d'Orb.  
 479 acervalis, H. Bra.

**Truncatulina, d'Orbigny.**

- 480 refulgens, Montf.  
 481 lobatula, Walk. and Jac.  
 482 variabilis, d'Orb.  
 483 Wuellerstorfi, Schwager.  
 484 Haidingerii, d'Orb.  
 485 Ungeriana, d'Orb.  
 486 Robertsoniana, H. Bra.  
 487 reticulata, Czjzek.

**Anomalina, d'Orbigny.**

- 488 coronata, Par. and Jones.  
 489 ariminensis, d'Orb.

**Carpenteria, Gray.**

- \*490 monticularis, Carter.  
 491 utricularis, Carter.  
 492 proteiformis, Goës.

**Rupertia, Wallich.**

- 493 stabilis, Wallich.

**Pulvinulina, Parker and Jones.**

- 494 repanda, Fich. and Moll.  
 495 punctata, d'Orb.  
 496 concentrica, Par. and Jones.  
 497 auricula, Fich. and Moll.  
 498 oblonga, Will.  
 499 Menardii, d'Orb.  
 500 var. fimbriata, H. Bra.  
 501 tumida, H. Bra.  
 502 canariensis, d'Orb.  
 503 patagonica, d'Orb.  
 504 crassa, d'Orb.  
 505 Micheliniana, d'Orb.  
 506 exigua, H. Bra.  
 507 pauperata, Par. and Jones.  
 508 Schreibersii, d'Orb.  
 509 Karsteni, Reuss.  
 510 elegans, d'Orb.

**Rotalia, Lamarck.**

- 511 Beccarii, Lin.  
 512 Soldanii, d'Orb.  
 513 nitida, Will.  
 514 orbicularis, d'Orb.

**Gypsina, Carter.**

- 515 globulus, Reuss.  
 516 vesicularis, Par. and Jones.  
 517 inhærens, Schultze.

**Polytrema, Risso.**

- 518 miniaceum, Lin.

*Fam. IX.—Nummulinidæ.***Nonionina, d'Orbigny.**

- 519 depressula, Walk. and Jac  
 520 umbilicata, Mont.  
 521 pompiloides, Fich. and Moll.  
 522 orbicularis, H. Bra.  
 523 stelligera, d'Orb.  
 524 Boueana, D'Orb.  
 525 labradorica, Dawson.  
 526 scapha, Fich. and Moll.  
 527 communis, d'Orb.  
 528 pauperata, Balk. and Wri.  
 529 turgida, Will.

**Polystomella, Lamarck.**

- 530 striatopunctata, Fich. and Moll.  
 531 subnodosa, Münster.  
 532 arctica, Par. and Jones.  
 533 crispa, Linné.

**Amphistegina, d'Orbigny.**

- \*534 Lessonii, d'Orb.

**Operculina, d'Orb.**

- 535 ammonoides, Gron.

**Heterostegina, d'Orbigny.**

- \*536 depressa, d'Orb.













GENERAL

# MUSEUM NORMANIANUM,

OR

## A Catalogue of the Invertebrata

OF

Europe and the Arctic and North Atlantic Oceans

WHICH ARE CONTAINED IN THE COLLECTION OF THE

REV. CANON A. M. NORMAN,

M.A., D.C.L., LL.D., F.R.S., F.L.S., &c.



IX. TUNICATA.

X. STERNASPIS, GEPHYREA AND PHORONIS.

XI. ANNELIDA POLYCHÆTA.

XII. CŒLENTERATA.

---

DURHAM:

THOMAS CALDCLEUGH, PRINTER, 70, SADDLER STREET.

1897.





## PREFATORY NOTES.

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The North Atlantic is here regarded as limited by Lat.  $35^{\circ}$  N., or as extending a little to the South of the Strait of Gibraltar on the Eastern and to about Cape Hatteras on the Western side.

The Tunicata contain a large number of type specimens described by Alder and by Hancock, while many other typical specimens have been received from the describers, Heller, Traustedt (from the Copenhagen Museum), Garstang, Verrill and Van Beneden.

The Gephyrea embrace some types received from Koren and Danielssen.

The Annelida are the most imperfect portion of my collections. There are only a few typical specimens among them; these have been described by Hansen, Levensen and Verrill.

The Cœlenterata contain types received from authors or described from my collection by Alder, Allman, Lorenz, Verrill, Levensen, Bergh, Bourne, Heller, &c. It also embraces the collection which was bequeathed to me by the late Mr. George Barlee.

A few of the Cœlenterata in the following list which are from beyond this limit, namely, from the Madeiran Province, have the letter M after the name in order to signify their habitat.

A. M. NORMAN.

THE RECTORY,  
HOUGHTON-LE-SPRING, R.S.O.,  
CO. DURHAM.

*November 18, 1897.*



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# MUSEUM NORMANIANUM.

## IX.—TUNICATA.

- Eugyra, Alder and Hancock.**  
1     glutinans, Möll. = arenosa, Ald. and Han.  
2     globosa, Hancock.  
3     arenata, Verrill.  
4     arenosa, Heller (nec A. and H.).  
**Bostrichobranchus, Traustedt.**  
5     manhattensis, De Kay.  
**Ctenicella, Lacaze Duthiers.**  
6     complanata; Ald. and Han.  
**Molgula, Forbes.**  
7     impura, Heller.  
8     ampulloides, Van Ben.  
9     oculata, Forbes.  
10    citrina, Ald. and Han.  
11    eugyroides, Traustedt.  
12    roscovita, Lacaze Dut.  
13    gröenlandica, Traust.  
14 (?) inconspicua, Ald. and Han.  
15 (?) siphonata, Ald. and Han.  
**Boltenia, Savigny.**  
16    Bolteni, Linné.  
**Microcosmus, Heller.**  
17    vulgaris, Heller.  
**Cynthia, Savigny.**  
18    papillosa, Linné.  
19    echinata, Linné.  
20    squamosa, Alder.  
21 (?) quadrangularis, Forbes.  
22 (?) partita, Stimp.  
23 (?) coriacea, Ald. and Han.  
24    granulata, Alder.  
**Forbesiella, Herdman.**  
25    tessellata, Forbes.  
**Pelonaia, Forbes and Goodsir.**  
26    corrugata, Forbes.
- Styela, MacLean.**  
27    plicata, Lesson = gyrosa, Heller.  
28    aggregata, O. F. Müll.  
29    gelatinosa, Traus.  
30    informis, Forbes.  
**Styelopsis, Traustedt.**  
31    grossularia, Van Ben.  
**Polycarpa, Heller.**  
32    glomerata, Alder.  
33    comata, Alder.  
34    pomaria, Sav.  
35    obscura, Heller.  
36    pusilla, Herdman.  
37    rustica, Linné.  
**Corella, Alder and Hancock.**  
38    parallelogramma, O. F. Müll.  
39    ovata, Hancock.  
40    larvæformis, Hancock.  
**Phallusia, Savigny.**  
41    mammillata, Cuv.  
**Ascidia, Roule.**  
42    venosa, O. F. Müll.  
43    aspersa, O. F. Müll.  
44    scabra, O. F. Müll.  
45    virginea, O. F. Müll. = sordida, Ald. and Han.  
**Ascidia, Linné.**  
46    mentula, O. F. Müll.  
47    plebeia, Alder.  
48    fumigata, Grube.  
49    compressa, O. F. Müll.  
50    depressa, Alder.  
51    dijmphniana, Traus.  
52    glacialis, Traus.  
53    Olrickii, Traus.  
54    complanata, Verrill.

**Ascidia, Linné.—Continued.**

- 55 rudis, Alder.  
 56 elliptica, Ald. and Han.  
 57 mollis, Ald. and Han.  
 58 Normani, Ald. and Han.  
 59 rubrotincta, Han.  
 60 rubicunda, Han.  
 61 robusta, Han.  
 62 crassa, Han.  
 63 aculeata, Ald.  
 64 producta, Han.  
 65 affinis, Ald. and Han.  
 66 fusca, Cuv.

**Rhosoma, Ehrenberg.**

- 67 callense, Lac. Duth.

**Ciona, Savigny.**

- 68 fascicularis, Han.  
 69 canina, O. F. Müll.  
 70 intestinalis, Linné.  
 71 pulchella, Alder.

**Diazona, Savigny.**

- 72 violacea, Sav. = hebridica, F. and G.

**Rhopalia, Philippi.**

- 73 neapolitana, Phil.

**Clavelina, Savigny.**

- 74 lepadiformis, O. F. Müll.  
 75 Rissoana, H. M. Edw.  
 76 producta, H. M. Edw.

**Perophora, Lister.**

- 77 Listeri, Wiegman.  
 78 viridis, Verrill.

**Pycnoclavella, Garstang.**

- 79 aurilucens, Garstang.

**Archidistoma, Garstang.**

- 80 aggregatum, Garstang.

**Botryllus, Gaertner and Pallas.**

- 81 aurolineatus, Giard.  
 82 smaragdus, H. M. Edw.  
 83 Gouldii, Verrill.

**Polycyclus, Lamarck.**

- 84 Renieri, Lamarck.

**Botrylloides, H. M. Edw.**

- 85 Gascoi, Della Valle.  
 86 rubrum, H. M. Edw.  
 87 rotiferum, H. M. Edw.

**Distaplia, Della Valle.**

- 88 magnilarva, D. Valle.  
 89 rosea, D. Valle.

**Distoma, Gaertner.**

- 90 Panceri, D. Valle.

**Distoma, Gaertner.—Continued.**

- 91 vitreum, M. Sars.

**Cystodytes, Drasche.**

- 92 Delle Chiajei, D. Valle.

**Aurantium, Giard.**

- 93 polyclinoides, nov. non = Polyclinum  
aurantium.

**Polyclinum, Savigny.**

- 94 succineum, Alder.  
 95 cerebriforme, Alder.

**Aplydium, Savigny.**

- 96 zostericola, Giard.  
 97 melleum, Alder.

**Amaroucium, H. M. Edwards.**

- 98 albicans, H. M. Edw.  
 99 proliferum, H. M. Edw.  
 100 pomum, M. Sars.  
 101 roseum, D. Valle.  
 102 gibbosulum, Sav.  
 103 pellucidum, Verrill.  
 104 stellatum, Verrill.  
 105 constellatum, Verrill.

**Parascidia, H. M. Edwards.**

- 106 flabellata, Alder.  
 107 Forbesii, Alder.  
 108 Flemingii, Alder.

**Morchellium, Giard.**

- 109 argus, H. M. Edw.

**Fragarium, Giard.**

- 110 elegans, Giard.  
 111 areolatum, Delle Chiaje.

**Circinalium, Giard.**

- 112 condescens, Giard.

**Didemnum, Savigny.**

- 113 sargassicola, Giard.

**Leptoclinum, H. M. Edwards.**

- 114 fulgidum, H. M. Edw.  
 115 maculatum, H. M. Edw.  
 116 asperum, H. M. Edw.  
 117 durum, H. M. Edw.  
 118 tenue, Herdman.  
 119 albidum, Verrill.

**Diplosoma, Macdonald.**

- 120 gelatinosum, H. M. Edw.  
 121 Listerianum, D. Valle.  
 122 punctatum, Forbes.  
 123 Kochlerianum, Lahille.

**Thylacium, Carus.**

- 124 Normani, Alder.

- Synstyela, Giard.**  
 125 variegata, Alder.  
**Pyrosoma, Péron.**  
 126 elegans, Lesson.  
 127 giganteum, Lesson.  
**Doliolum, Quoy and Gaimard.**  
 128 tritonis, Herdman.  
 129 denticulatum, Quoy and Gaim.  
**Cyclosalpa, Blainville.**  
 130 pinnata, Forskäl.

- Salpa, Forskäl.**  
 131 punctata, Forskäl.  
 132 scutigera—confederata, Cuv.—  
 Forsk.  
 133 runcinata—fusiformis, Cham.—Cuv.  
 134 africana—maxima, Forskäl.  
**Thalia, Blumenbach.**  
 135 democratica—mucronata, Forskäl.  
**Iasis, Savigny.**  
 136 costata—Tilesii, Q. and G.—Cuv.  
**Oikopleura (Mertens), Fol.**  
 137 dioica, Fol.

## X.—GEPHYREA; STERNASPIS AND PHORONIS.

- Sternaspis, Otto.**  
 1 scutata, Renier.  
 2 fossor, Stimpson.  
**Bonellia, Rolando.**  
 3 viridis, Rolando.  
 4 fuliginosa, Rolando.  
**Echiurus, Cuvier.**  
 5 vulgaris, Savigny.  
**Thalassema, Gaertner.**  
 6 neptuni, Gaertner.  
**Halicryptus, Siebold.**  
 7 spinulosus, Siebold.  
**Priapulus, Lamarck.**  
 8 caudatus, Lamarck.  
**Sipunculus, Linné.**  
 9 nudus, Linné.  
 10 tessellatus, Rafinesque.  
**Aspidosiphon, Diesing.**  
 11 radiatus, Alder. = A. mirabilis, Theel.  
 12 scutatus, J. Müller.  
**Tylosoma, Koren and Danielssen.**  
 13 Lütkeni, Kor. and Dan.  
**Onchnesoma, Koren and Danielssen.**  
 14 Steenstrupii, Kor. and Dan.  
 15 Sarsii, Kor. and Dan.  
 16 glaciale, Dan. and Cor.

- Pelalostoma, Keferstein.**  
 17 minutum, Kef.  
**Phascolosoma.**  
 18 vulgare, Blainville.  
 19 tenuicinctum, McCoy. = P. elongatum,  
 Kef.  
 20 margaritaceum, M. Sars.  
 21 procerum, Möbius.  
 22 eremita, M. Sars.  
 23 Lilljeborgii, Dan. and Kor.  
 24 squamatum, Kor. and Dan.  
**Phymosoma, Quatrefages.**  
 25 tigrinum, Risso. = Phas. granulatum,  
 Leuck.  
 26 papillosum, W. Thompson.  
**Stephanosoma, Danielssen and Koren.**  
 27 Hansenii, Dan. and Kor.  
**Phascolion.**  
 28 strombi, Montagu.  
 29 var. tuberculatum, Theel.  
**Epithetosoma, Danielssen and Koren.**  
 30 norvegicum, Dan. and Kor.  
**Phoronis, Strethill Wright.**  
 31 hippocrepis, S. Wright.  
 32 Kowalevskii, Caldwell.



# XI.—ANNELIDA POLYCHÆTA.

- Spinther, Johnston.**  
 1 oniscoides, Johnston.  
**Euphrosine, Savigny.**  
 2 borealis, Oersted.  
 3 cirrata, M. Sars.  
 armadillo, M. Sars.  
 foliosa, Audouin and Savigny.  
**Paramphinoe, M. Sars.**  
 6 pulchella, M. Sars.  
**Aphrodita, Linné.**  
 7 aculeata, Linné.  
**Lætmonice, Malmgren.**  
 8 filicornis, Kinberg.  
**Hermione, Blainville.**  
 9 hystrix, Savigny.  
**Pontogenia, Claparède.**  
 10 chrysocoma, Claparède.  
**Lepidonotus, Leach.**  
 11 squamatus, Linné.  
 12 clava, Montagu.  
**Dasylepis, M. Sars.**  
 13 asperrima, M. Sars.  
**Gattyana, McIntosh.**  
 14 cirrosa, Pallas.  
**Eunoe, Malmgren.**  
 15 nodosa, M. Sars.  
**Antinoe, Kinberg.**  
 16 Sarsi, Malmgren.  
**Eucranta, Malmgren.**  
 17 villosa, Malmgren.  
**Harmothoe, Kinberg.**  
 18 imbricata, Linné.  
 19 floccosa, Savigny.  
 20 areolata, Grube.  
**Acholoe, Claparède.**  
 21 astericola, Claparède.  
**Evarne, Malmgren.**  
 22 impar, Johnston.  
 23 Johnstoni, M.  
 24 Normani, McIntosh.  
**Lænilla, Malmgren.**  
 25 setosissima, Savigny.  
**Lagisca, Malmgren.**  
 26 rarispira, M. Sars.  
 27 clavigera, M. Sars.  
 28 floccosa, Savig.  
 29 antennata, Grube.
- Lepidasthenia, Malmgren.**  
 30 elegans, Grube.  
**Polyodontes, Renier.**  
 31 maxillosus, Audouin and Edwards.  
**Pholoe, Johnston.**  
 32 minuta, Oersted.  
**Sigalion, Audouin and Edwards.**  
 33 squamatum, Delle Chiaje.  
**Psammolyce, Kinberg.**  
 34 arenosa, Claparède.  
**Sthenelais, Kinberg.**  
 35 boa, Johnston.  
 36 idunæ, Rathke.  
 37 dendrolepis, Claparède.  
**Leanira, Kinberg.**  
 38 tetragona, Oersted.  
**Notophyllum, Oersted.**  
 39 foliosum, M. Sars.  
**Eumida, Malmgren.**  
 40 sanguinea, Oersted.  
**Eulalia, Savigny.**  
 41 viridis, Linné.  
**Phyllodoce, Savigny.**  
 42 maculosa, O. F. Müller.  
 43 lamelligera, Turton = laminosa,  
 Malmgren.  
 44 Paretti, Blainville.  
**Eteone, Savigny.**  
 45 striata, Levinsen.  
 46 flava, Fabricius.  
 47 maculata, Oersted.  
 48 fucata, M. Sars.  
 49 longa, Fabricius.  
 50 depressa, Malmgren.  
 51 cylindrica, Oersted.  
 52 siphonodonta, Grube.  
**Alciopoe, Audouin and Edwards.**  
 53 Cantrainii, Claparède.  
**Liocapa, A. Costa.**  
 54 candida, Delle Chiaje.  
**Vanadis, Claparède.**  
 55 formosa, Claparède.  
**Nephtys, Cuvier.**  
 56 cœca, Fabricius.  
 57 Hombergi, Audouin and Edwards.  
 58 ciliata, O. F. Müller.  
 59 incisa, Malmgren.

**Nephthys, Cuvier.—Continued.**

60 Malmgreni, Theel.

61 emarginata, Malm.

**Glycera, Savigny.**

62 capitata, Oersted.

63 setosa, Oersted.

64 alba, O. F. Müller.

65 dubia, Blainville.

66 Goesi, Malmgren.

**Goniada, Audouin and Savigny.**

67 maculata, Oersted.

68 norvegica, Oersted.

**Staurocephalus, Grube.**

69 rubrovittatus, Grube.

70 Rudolphii, Ehlers.

**Lumbriconereis, Blainville.**

71 fragilis, O. F. Müller.

72 contorta, Quatrefages.

**Halla, A. Costa.**

73 parthenopeia, A. Costa.

**Maclovina, Grube.**

74 gigantea, Quatrefages.

**Lysidice, Savigny.**

75 ninetta, Audouin and Edwards.

**Paractius, Levinsen.**

76 littoralis, Levinsen.

**Onuphis, Audouin and Edwards.**

77 conchylega, M. Sars.

78 quadricuspis, G. O. Sars.

79 hyperborea, A. Hansen.

**Hyalinoecia, Malmgren.**

80 tubicola, O. F. Müller.

**Diopatra, Audouin and Edwards.**

81 neapolitana, Delle Chiaje.

**Eunice, Cuvier.**

82 Harrassi, Aud. and Edw.

83 gigantea, Delle Chiaje.

84 purpurea, Grube.

85 siciliensis, Grube.

**Leodice, Savigny.**

86 norvegica, Linné.

**Nereis, Linné.**

87 pelagica, Linné.

88 cultrifera, Grube.

89 Dumerillii, Audouin and Edwards.

90 diversicolor, O. F. Müller.

91 zonata, Malmgren.

92 Vaillantii, St. Joseph.

**Ophiodromus, M. Sars.**

93 vittatus, M. Sars.

**Castalia, Savigny,**

94 punctata, O. F. Müller.

95 Fabricii, Malmgren.

**Syllis, Savigny.**

96 spongicola, Grube.

97 armillaris, O. F. Müller.

**Gattiola, Johnston.**

98 spectabilis, Johnston.

**Autolytus, Grube.**

99 longisetosus, Oersted.

**Ephesia, H. Rathke.**

100 gracilis, Rathke.

**Tomopteris, Eschscholtz.**

101 phasma, Dalyell.

**Scolecoplepis, Blainville.**

102 cirrata, M. Sars.

**Spio, Fabricius.**

103 fuliginosus, Claparède.

**Polydora, Bose.**

104 ciliata, Johnston.

**Nerine, Johnston.**

105 cirratulus, Delle Chiaje.

**Chætopteris, Cuvier.**

106 insignis, Baird.

107 variopedatus, Renier.

**Cirratulus, Lamarck.**

108 cirratus, O. F. Müller.

109 tentaculatus, Montagu.

**Audouinia, Quatrefages.**

110 filigera, Delle Chiaje.

**Aricia, Savigny.**

111 Cuvieri, Audouin and Edwards.

112 Kupfferi, Ehlers.

113 foetida, Claparède.

114 norvegica, M. Sars.

**Scolophos, Blainville.**

115 armiger, O. F. Müller.

**Naidonereis, Blainville.**

116 quadricuspida, Fabricius.

**Ammotrypane, H. Rathke.**

117 aulogastra, Rathke.

**Ophelia, Savigny.**

118 radiata, Delle Chiaje.

119 limacina, Rathke.

**Polyophthalmus, Quatrefages**

120 pictus, Dujardin.

**Travisia, Johnston.**

121 Forbesii, Johnston.

**Siphonostoma, Otto.**

122 diplocaetos, Otto.









- Syncoryne**, Ehrenberg.  
 14 *eximia*, Allman.  
 15 *mirabilis*, Agassiz.  
**Gemmaria**, M'Craday.  
 16 *implexa*, Alder.  
**Dicoryne**, Allman.  
 17 *conferta*, Alder.  
**Garveia**, Stethill Wright.  
 18 *nutans*, S. Wright.  
**Wrightia**, Allman.  
 19 *arenosa*, Alder.  
**Heterocordyle**, Allman.  
 20 *Conybearei*, Allman.  
**Bourgainvillia**, Lesson.  
 21 *ramosa*, Van Beneden.  
 22 *muscus*, Allman.  
**Perigonimus**, M. Sars.  
 23 *repens*, St. Wright.  
 24 *linearis*, Alder.  
 25 *abyssi*, G. O. Sars.  
 26 *multicornis*, Levensen.  
**Eudendrium**, Ehrenberg.  
 27 *ramosum*, Linné.  
 28 *rameum*, Pallas.  
 29 *capillare*, Alder.  
 30 *arbuscula*, S. Wright.  
 31 *insigne*, Hincks.  
 32 *annulatum*, Norman.  
 33 *vaginatum*, Allman.  
 34 *racemosum*, Cavolini.  
 35 *album*, Nutting.  
 36 *rigidum*, Allman.  
**Hydractinia**, Van Beneden.  
 37 *echinata*, Fleming.  
**Podocoryne**, M. Sars.  
 38 *carnea*, M. Sars.  
 39 *areolata*, Alder.  
**Corynopsis**, Allman.  
 40 *Alderi*, Hodge.  
**Pennaria**, Goldfuss.  
 41 *Cavolinii*, Ehrenberg.  
**Halocordyle**, Allman.  
 42 *tiarella*, Ayres.  
**Cladocoryne**, W. O. Rotch.  
 43 *floccosa*, Rotch.  
**Myriothea**, M. Sars.  
 44 *phrygia*, Fabricius.  
 45 *Cocksii*, Vigors.  
**Corymorpha**, M. Sars.  
 46 *nutans*, M. Sars.

- Corymorpha**, M. Sars.—Continued.  
 47 *uvaria*, A. Schmidt.  
**Monocaulus**, Allman.  
 48 *groenlandicus*, Allman.  
**Tubularia**, Linné.  
 49 *indivisa*, Linné.  
 50 *larynx*, Ell. and Sol.  
 51 *attenuata*, Allman.  
 52 *simplex*, Alder.  
 53 *humilis*, Allman.  
 54 *bellis*, Allman.  
**Ectopleura**, Agassiz.  
 55 *Dumortieri*, Van Beneden.  
**Clytia**, Lamouroux.  
 56 *Johnstoni*, Alder.  
**Obelia**, Péron and Lesueur.  
 57 *geniculata*, Linné.  
 58 *gelatinosa*, Pallas.  
 59 *longissima*, Pallas.  
 60 *dichotoma*, Linné.  
 61 *plicata*, Hincks.  
**Campanularia**, Lamarck.  
 62 *volubilis*, Linné.  
 63 *Hincksii*, Alder.  
 64 *integra*, Macgillivray.  
 65 *calyculata*, Hincks.  
 66 *groenlandica*, Levensen.  
 67 *verticillata*, Linné.  
 68 *flexuosa*, Hincks.  
 69 *angulata*, Hincks.  
 70 *neglecta*, Alder.  
 71 *gigantea*, Hincks.  
**Gonothyraea**, Allman.  
 72 *Lovéni*, Allman.  
 73 *gracilis*, M. Sars.  
 74 *hyalina*, Hincks.  
**Opercularella**, Hincks.  
 75 *lacerata*, Johnston.  
**Lafoeina**, M. Sars.  
 76 *maxima*, Levensen.  
 77 *tenuis*, M. Sars.  
**Lafoea**, Lamouroux.  
 78 *dumosa*, Fleming.  
 79 *fruticosa*, M. Sars.  
 80 *grandis*, Hincks.  
 81 *capillaris*, G. O. Sars.  
**Hebella**, Allman.  
 82 *pocillum*, Hincks.  
**Lichorella**, Allman.  
 83 *helicoides*, Allman.

**Calycella, Hincks.**

- 84 syringa, Linné.  
85 producta, G. O. Sars.

**Halisiphonia, Allman.**

- 86 Allmani, Norman, n. sp.\*

**Stegapoma, Levensen.**

- 87 fastigiatum, Alder.  
88 plicatile, G. O. Sars.

**Cuspidella, Hincks.**

- 89 humilis, Hincks.  
90 grandis, Hincks.

**Acryptolaria, Norman.**

- 91 exserta, Busk.

**Salacia, Lamouroux.**

- 92 abietina, M. Sars.

**Filellum, Hincks.**

- 93 serpens, Hassall.

**Scapus, Norman.**

- 94 tubulifer, Norman.

**Coppinia, Hassall.**

- 95 arcta, Dalzell.

**Halecium, Oken.**

- 96 halecinum, Linné.  
97 Beanii, Johnston.  
98 labrosum, Alder.  
99 tenellum, Hincks.  
100 plumosum, Hincks.  
101 geniculatam, Norman.  
102 sessile, Norman.  
103 boreale, Lorenz.  
104 curvicaule, Lorenz.  
105 muricatum, Ell. and Sol.

**Haloikema, G. C. Bourne.**

- 106 Lankesteri, G. C. Bourne.

**Sertularia, Linné.**

- 107 pumila, Linné.  
108 gracilis, Hassall.  
109 tenera, G. O. Sars.  
110 operculata, Linné.  
111 filicula, Ell. and Sol.  
112 abietina, Linné.  
113 polyzonias, Linné.  
114 var. gigantea, Hincks.  
115 Gayi, Lamouroux.  
116 var. robusta, Allman.  
117 quadridentata, Hincks.  
118 pinnata (Clark), Marenz.  
119 tricuspidata, Alder.

**Sertularia, Linné.—Continued.**

- 120 rugosa, Linné.  
121 tenella, Alder.  
122 Dijnphna, Bergh.  
123 fusiformis, Hincks.  
**Diphasia, Agassiz.**  
124 rosacea, Linné.  
125 attenuata, Hincks.  
126 elegans, G. O. Sars.  
127 fallax, Johnston.  
128 pinaster, Ell. and Sol.  
129 pinnata, Pallas.  
130 alata, Hincks.  
131 tamarisca, Linné.  
132 coronifera, Allman.

**Hydrallmannia, Hincks.**

- 133 falcata, Linné.

**Selaginopsis.**

- 134 mirabilis, Verrill.  
135 fusca, Johnston.

**Thuiaria, Fleming.**

- 136 argentea, Ell and Sol.  
137 cupressina, Ell. and Sol.  
138 thuia, Linné.  
139 lonchitis, Ell. and Sol.  
140 hippuris, Allman.  
141 laxa, Allman.  
142 carica, Levensen.  
143 alternithea, Levensen.

**Aglaophenia, Lamouroux.**

- 144 pluma, Linné.  
145 var. b., Hincks.  
146 tubulifera, Hincks.  
147 octodonta, Heller.  
148 Kirchenpaueri, Heller.

**Lytocarpia, Kirchenpauer.**

- 149 radicillata, G. O. Sars.  
150 formosa, Allman.  
151 myriophyllum, Linné.

**Cladocarpus, Allman.**

- 152 cornutus, Verrill.  
153 bicuspis, G. O. Sars.

**Gymnangium, Hincks.**

- 154 pennatula, Lamouroux.  
155 integrum, G. O. Sars.

**Plumularia, Lamarck.**

- 156 pinnata, Lamarck.  
157 frutescens, Lamarck.  
158 setacea, Ellis.

\* See Allman Report, *Challenger* Hydroida, Pt. II, p. 33.



**Plumularia, Lamarck.**—Continued.

- 159 Catharina, Johnston.  
 160 halecioides, Alder.  
 161 var. pinnatifrons, Heller.  
 162 gracillima, G. O. Sars.  
 163 echinulata, Lamarck.  
 164 similis, Hincks.

**Monopyxis, Ehrenberg.**

- 165 obliqua, Johnston.

**Heteropyxis, Heller.**

- 166 ramosa, Lamouroux.  
 167 norvegica, G. O. Sars.

**Antennularia, Lamarck.**

- 168 antennina, Lamouroux.

**Antennella, Allman.**

- 169 siliquosa, Hincks.  
 170 gracilis, Allman.

*Meduse.***Steenstrupia, Forbes.**

- 171 rubra, Forbes.

**Amphicodon, Haeckel.**

- 172 amphipleurus, Haec.

**Pandæa, Lesson.**

- 173 conica, Quoy and Gai.

**Tiara, Lesson.**

- 174 pileata, Forsk.

**Margelis, Steenstrup.**

- 175 ramosa, L. Agassiz.

**Rathkea, Brandt.**

- 176 octopunctata, M. Sars.  
 177 fasciculata, Pér. and Les.

**Thaumantias, Eschscholtz.**

- 178 hemisphærica, Esch.  
 179 Thompsoni, Forbes.

**Laodice, Lesson.**

- 180 cruciata, Forskäl.

**Obelia, Péron and Lesueur.**

- 181 lucifera, Forbes.

**Tiaropsis, L. Agassiz.**

- 182 diademata, L. Agassiz.

**Euchilota, MacCraday.**

- 183 pilosella.

**Phialidium, Leuckart.**

- 184 phosphoricum, Pér. and Lesu. =  
 variabile, Haeck.

**Mitrocoma, Haeckel.**

- 185 Annæ, Haeck.

**Saphenia, Eschscholtz.**

- 186 mirabilis, Haec.

**Irene, Eschscholtz.**

- 187 pellucida, Will.

**Olindias, Fritz Müller.**

- 188 phosphorea, Delle Ch. = O. Mülleri,  
 Haeck.

**Rhopalonema, Gegenbaur.**

- 189 velatum, Geg.

**Liriope, Lesson.**

- 190 cerasiformis, Lesson.

**Carmarina, Haeckel.**

- 191 hastata, Haec.

**Cunina, Eschscholtz.**

- 192 rhododactyla, Haec.

**Solmundella, Haeckel.**

- 193 mediterranea, J. Müll.

**Solmoneta, Haeckel.**

- 194 flavescens, Köll.

**Charybdea, Péron and Lesueur.**

- 195 marsupialis, Péron.

**Nausithoe, Kölliker.**

- 196 punctata, Kölliker.

**Pelagia, Péron and Lesueur.**

- 197 noctiluca, Forskäl.

**Chrysaora, Péron and Lesueur.**

- 198 isoceles, Eschscholtz.

**Cyanea, Péron and Lesueur.**

- 199 imporcata, Norman.  
 200 Lamarckii, Péron and Lesueur.

**Pilema, Haeckel.**

- 201 pulmo, Linné.

**Cotylorhiza, Agassiz.**

- 202 tuberculata, Eschscholtz.

*Ctenophora.***Hormiphora, Agassiz.**

- 203 plumosa, M. Sars.

**Lamptetia, Chun.**

- 204 Pancerina, Chun.

**Euchlora, Chun.**

- 205 rubra, Kölliker.

**Callianira, Péron.**

- 206 bialata, Delle Chiaje.

**Lesueuria, H. M. Edwards.**

- 207 vitrea, H. M. Edwards.

**Bolina, C. H. Mertens.**

- 208 hydatina, Chun.

**Cestum, Lesson.**

- 209 Veneris, Lesson.

**Beroe, Brown.**

- 210 ovata, Eschscholtz.  
 211 Forskällii, H. M. Edwards.

*Siphonophora.*

- Velella, Lamarck.**  
 212 spirans, Forskäl.  
**Muggiaea, Busch.**  
 213 atlantica, Cunningham.  
**Praya, Blainville.**  
 214 cymbiformis, Delle Chi.  
**Lilyopsis, Chun.**  
 215 diphyes, Chun.  
**Diphyes, Cuvier.**  
 216 Sieboldi, Köll.  
**Calpe, Quoy and Gaimard.**  
 217 pentagona, Quoy and Gai.  
**Hippopodius, Quoy and Gaimard.**  
 218 gleba, Leuckart.  
**Apolemia, Eschscholtz.**  
 219 uvaria, Lesson.  
**Agalmopsis, M. Sars.**  
 220 Sarsii, Köll.  
**Halistemma, Huxley.**  
 221 rubrum, Vogt.  
**Forskalia, Kölliker.**  
 222 contorta, H. M. Edw.  
 223 Edwardsii, Köll.  
**Physophora, Forskäl.**  
 224 hydrostatica, Forskäl.  
**Rhizophysa, Péron and Lesueur.**  
 225 filiformis, Forskäl.  
**Physalia, Lamarck.**  
 226 caravalla, O. F. Müll.

*Hydrocorallinae.*

- Pliobothrus, Pourtalès.**  
 227 symmetricus, Pourtalès.  
**Allopora, Ehrenberg.**  
 228 oculina, Ehrenberg.  
**Stylaster, J. E. Gray.**  
 229 gemmascens, H. M. Edw.

*Calycozoa.*

- Depastrum, Gosse.**  
 230 cyathiforme, M. Sars.  
**Halicystus, Clark.**  
 231 octoradiatus, Lamarck.  
**Lucernaria, O. F. Müller.**  
 232 quadricornis, O. F. Müll.

**B.—ACTINOZOA.***Acyonaria.***Clavularia, Quoy and Gaimard.**

- 233 arctica, Koren and Danielssen.  
 234 borealis, Koren and Danielssen.

**Sympodium, Ehrenberg.**

- 235 coralloides, Pallas.  
 236 abyssorum, Danielssen.

**Sarcodictyon, E. Forbes.**

- 237 catenata, E. Forbes.  
 238 albicolor, Norman.

**Alcyonium, Linné.**

- 239 digitatum, Linné.  
 240 palmatum, Pallas.  
 241 rubiforme, Dan.

**Paralcyonium, Edwards and Haime.**

- 242 elegans, H. M. Edwards.

**Gersemia, Marenzeller.**

- 243 Danielsseni, Marenzeller.

**Duva, Koren and Danielssen.**

- 244 flava, Danielssen.  
 245 rosea, Koren and Danielssen.

**Vøringia, Danielssen.**

- 246 fruticosa, Danielssen.  
 247 capitata, Danielssen.  
 248 abyssicola, Danielssen.

**Ammothoa, Lamarck.**

- 249 Lutkeni, Marenzeller.  
 250 arctica, Lütken.  
 251 flavescens, Danielssen.

**Barathrobus, Danielssen.**

- 252 digitatus, Dan.

**Sarcophyton, M. Sars.**

- 253 purpureum, Koren and Dan.

**Paragorgia, H. M. Edwards.**

- 254 arborea, Linné.  
 255 Johnsoni, J. E. Gray *M.*

**Anthothela, Verrill.**

- 256 grandiflora, M. Sars.  
 257 nodosa, Koren and Danielssen.

**Anthomastus, Verrill.**

- 258 grandiflorus, Verrill.

**Acanthogorgia, Verrill.**

- 259 armata, Verrill.  
 260 Grayi, J. G. Johnson *M.*

**Gorgonella, Valenciennes.**

- 261 sarmentosa, Lamarck.



**Gorgonia, Linné.**

- 262 verrucosa, Pallas.  
 263 Cavolinii, Kölliker.  
 264 profundi, Kölliker.

**Muricea, Lamouroux.**

- 265 placomus, Linné.  
 266 chamæleon, Koch.  
 267 flavescens.  
 268 echinata, Koch.

**Primnoa, Lamouroux.**

- reseda, Pallas.  
 269 Ellisii, Koch.  
 270 verticillata, Pallas.

**Mopsea, Lamouroux.**

- 271 elongata, Esper.

**Acanella, E. J. Gray.**

- 272 Normani, Verrill.

**Corallium, Lamarck.**

- 273 rubrum, Linné.

*Pennatulida.***Pteroeides, Herklots.**

- 274 griseum, Bohadsch.  
 275 var. longispinosum, Köll.

**Pennatula, Linné.**

- 276 phosphorea, Lin.  
 277 var. angustifolia, Köll.  
 278 var. lancifolia, Köll.  
 279 var. aculeata, Köll.  
 280 var. candida, Marsh and Ford.  
 281 distorta, Kor. and Dan.  
 282 var. aculeata, Kor. and Dan.

**Ptilella, J. E. Gray.**

- 283 grandis, Ehrenberg.

**Virgularia, Lamarck.**

- 284 mirabilis, O. F. Müll.  
 285 affinis, Kor. and Dan.  
 286 grandiflora, Verrill.

**Svava, Koren and Danielssen.**

- 287 glacialis, Kor. and Dan.  
 288 var. alba, Kor. and Dan.

**Dübenia, Koren and Danielssen.**

- 289 abyssorum, Kor. and Dan.  
 290 elegans, Kor. and Dan.

**Pavonaria, Kölliker.**

- 291 finmarchica, M. Sars.

**Funiculina, Linné.**

- 292 quadrangularis, Blain.

**Halipteris, Kölliker.**

- 293 Christii, Kor. and Dan.

**Kophobelemnon, Asbjörnsen.**

- 294 stelliferum, O. F. Müll.  
 295 var. durum, Köll.  
 296 Möbii, Kor. and Dan.  
 297 Leuckartii, Köll.

**Cladiscus, Koren and Danielssen.**

- 298 Köllikeri, Dan. and Kor.

**Deutocaulon, Marshall and Fowler.**

- 299 hystericis, Marsh. and Fow.

**Protoptilum, Kölliker.**

- 300 Thomsoni, Köll.

**Leptoptilum, Kölliker.**

- 301 gracile, Köll.

**Renilla, Lamarck.**

- 302 reniformis, Pallas.

**Styloblemnon, Kölliker.**

- 303 pusillum, Philippi.

**Veretillum, Cuvier.**

- 304 cynomorium, Pallas.

*Antipatharia.***Leipathes, J. E. Gray.**

- 305 glaberrima, Esper.

**Antipathes, Pallas.**

- 306 (?) ænea, G. V. Koch.

**Antipathella, G. Brook.**

- 307 subpinnata, Ell. and Soll.  
 308 gracilis, Gray *M.*

**Aphanipathes, G. Brook.**

- 309 Wollastoni, G. E. Gray *M.*  
 310 (?) arctica, Lütken.

**Stichopathes, G. Brook.**

- 311 gracilis, J. E. Gray *M.*

**Parantipathes, G. Brook.**

- 312 larix, Esper.

*Zoantharia.***Anemonia, Risso.**

- 313 sulcata, H. M. Edw.

**Actinia, Linné.**

- 314 equina, Lin.  
 315 Cari, Delle Chi.

**Bulocera, Gosse.**

- 316 Tuediae, Johnston.

**Bunodes, Gosse.**

- 317 gemmaceus, Gosse.

**Tealia, Gosse.**

- 318 crassicornis, O. F. Müll.

**Chondractinia, Lütken.**

- 319 digitata, O. F. Müll.



















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